DOCUMENT RESUME

ED 412 282 TM 027 738

AUTHOR	Collins, Mary A.; Chandler, Kathryn
TITLE	NHES:91/93/95/96 Electronic CodeBook (ECB) User's Guide. National Household Education Survey.
INSTITUTION	National Center for Education Statistics (ED), Washington, DC.
REPORT NO	NCES-97-420
ISBN	ISBN-0-16-049202-5
PUB DATE	1997-09-00
NOTE	94p.
AVAILABLE FROM	U.S. Government Printing Office, Superintendent of Documents, Mail Stop: SSOP, Washington, DC 20402-9328.
PUB TYPE	Guides - Non-Classroom (055)
EDRS PRICE	MF01/PC04 Plus Postage.
DESCRIPTORS	Adult Education; Adults; Attitudes; Children; Citizen Participation; *Coding; Data Analysis; *Data Collection; Early Childhood Education; Elementary Secondary Education; National Surveys; *Parent Participation; *Research Methodology; Response Rates (Questionnaires); Sample Size; *Sampling; School Readiness; School Safety
IDENTIFIERS	Data Files; Electronic Codebooks; *National Household Education Survey; *Random Digit Dialing; User Guides

ABSTRACT

The National Household Education Survey (NHES) is a random digit dial telephone survey of households developed by the National Center for Education Statistics. It has been conducted in 1991, 1993, 1995, and 1996, with varying components each year. The NHES 91/93/95/96 CD-ROM contains an electronic codebook (ECB) program that, after being installed on a personal computer, allows the user to examine the variables in each of the NHES data sets as well as create Statistical Analysis System (SAS) or Statistical Package for the Social Sciences (SPSS) programs to generate an extract data file for any of the NHES data files on the CD-ROM. The files include the 1991 and 1995 Adult Education files, the primary and preprimary education files from 1991, the school readiness and school safety files from 1993, the 1995 early childhood program participation file, and the 1996 household and library, parent and family involvement in education and civic involvement, youth civic involvement, and adult civic involvement files. The ECB is a DOS-based program for IBM-compatible personal computers. Sections describe its contents and use, focusing on what can be done with the ECB and how to do it. Emphasis is on extracting information from the files. Eight appendixes provide specific use information and samples, including SAS and SPSS samples. (SLD)

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ED 412 282

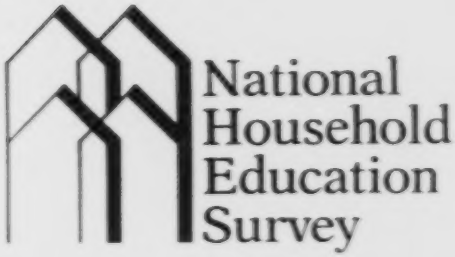
NATIONAL CENTER FOR EDUCATION STATISTICS

ECB User's Guide

September 1997

National Household Education Survey

NHES:91/93/95/96 Electronic CodeBook (ECB) User's Guide



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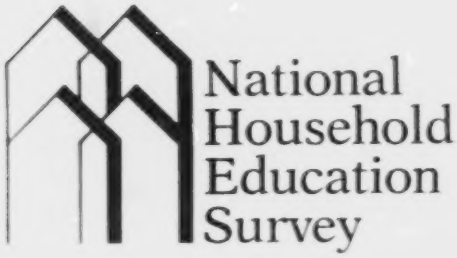

Mary A. Collins, Project Director
Westat, Inc.

Kathryn Chandler
National Center for Education Statistics

U.S. Department of Education
Office of Educational Research and Improvement

NCES 97-420

For sale by the U.S. Government Printing Office
Superintendent of Documents, Mail Stop: SSOP, Washington, DC 20402-9328
ISBN 0-16-049202-5

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Suggested Citation
U.S. Department of Education. National Center for Education Statistics. *NHES:91/93/95/96 Electronic CodeBook (ECB) User's Guide*, NCES 97–420, by Mary A. Collins and Kathryn Chandler. Washington, DC: 1997.

Contact:
Kathryn Chandler
(202) 219–1767
(e-mail) nhes@ed.gov
http://www.ed.gov/NCES/NHES

Acknowledgments

This Electronic CodeBook (ECB) was developed by Westat, Inc., for the 1991, 1993, 1995, and 1996 National Household Education Surveys (NHES). Westat conducted the surveys under contract with the National Center for Education Statistics, Office of Educational Research and Improvement, of the U.S. Department of Education. At the Department of Education, Kathryn Chandler serves as Project Officer for the NHES.

The Electronic CodeBook was developed by Jeffrey Stunkard of Westat, who made enhancements to the previous work of Paul Close and Jae Jung. They were supported in their efforts by Mary Collins, Westat's Project Director for NHES, and John Brown of Westat.

NHES Mailing List

If you would like to receive announcements of future NHES reports, data sets, or other materials, please send your name, institutional affiliation, address, telephone and fax numbers, and electronic mail address to:

Kathryn Chandler
National Center for Education Statistics
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Washington, DC 20208
(e-mail) nhes@ed.gov

It would also be helpful if you would indicate your areas of research interest and the data sets you are using or plan to use.

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Contents of the NHES:91/93/95/96 CD-ROM

The NHES:91/93/95/96 CD-ROM contains an Electronic CodeBook (ECB) program that, after being installed on your own personal computer, allows you to easily examine the variables in each of the NHES data sets as well as create SAS, SPSS for DOS, or SPSS for Windows programs that will generate an extract data file from any of the NHES data files on the CD-ROM. The following flat (ASCII) NHES data files are contained on the CD-ROM:

- 1991 Adult Education, Adult file;
- 1991 Adult Education, Course file;
- 1991 Preprimary file;
- 1991 Primary file;
- 1993 School Readiness file;
- 1993 School Safety and Discipline file;
- 1995 Adult Education file;
- 1995 Early Childhood Program Participation file;
- 1996 Household & Library file;
- 1996 Parent and Family Involvement in Education and Civic Involvement file;
- 1996 Youth Civic Involvement file; and
- 1996 Adult Civic Involvement file.

The NHES CD-ROM also contains data files containing adult education course codes for the NHES:91 and NHES:95. These files are suitable for merging with an adult education analysis file created from the ECB. The course code merge files themselves are not accessible through the ECB program.

In addition, the NHES:91/93/95/96 CD-ROM also contains WordPerfect 5.1 files with complete documentation for each data file. Properly formatted copies of the documentation can be printed using WordPerfect 5.1 and a HP LaserJet III or similar printer. Instructions on how to access these documents can be found in appendix A. Appendix B contains a full directory listing of the CD-ROM including the parent directory contents and a description of each file.

The CD-ROM also contains programs (in ASCII format) for each NHES data file (except for the Adult Education Course Code merge files) that will create SPSS for Windows system files containing all variables (with all assigned variable and value labels). These programs have been made available for Macintosh users to copy and edit to suit their needs. However, users of other systems may also find them helpful. The MACPROGS directory on the CD-ROM contains these programs as well as a "README" file that users of these programs should review.

Hardware/Software Needs

The Electronic CodeBook (ECB) program is designed to be used with computer monitors having either color or monochrome video displays with automatic video detection. It is designed for use on IBM-compatible PCs running MS/DOS 3.3 and above. The ECB has been tested on IBM-compatible PCs based on the Intel 80286, 80386, i486, and Pentium processors. An 80386 or higher processor with a CD-ROM reader is recommended. ***Note that the ECB is not designed to run as a Windows-based application. Users who attempt to use the ECB in a Windows environment will likely experience problems with the ECB software.*** That is, when either Windows 3.1 or Windows 95 is currently

operating, the ECB program will not function properly in a DOS shell. This is primarily because the active Windows desktop consumes conventional memory which is also needed to run the NHES ECB.

In order to install all catalogs, the NHES ECB program requires 40 MB (megabytes or million bytes) of available disk space on your C: drive. If 40 MB are not available, you will need to delete files on your C: drive to make room for the ECB program. If this is not feasible, and you have at least 20 MB of available disk space on your C: drive, you can install a limited number of catalogs one at a time using the selective install process, described on page 4.

As suggested above, SAS, SPSS for DOS, or SPSS for Windows software is needed in order to run the programs generated by the ECB that extract data from the CD-ROM. It may also be useful to have ASCII editing software to edit the programs, although SAS and SPSS allow for editing. Word processing software capable of reading WordPerfect 5.1 files is also needed to print properly formatted copies of the data file documentation.

What You Can Do with the NHES:91/93/95/96 ECB

- Search the names and labels of variables in the NHES:91, NHES:93, NHES:95, and NHES:96 databases (called catalogs) to select variables for analysis (see section on the Variable List Window, page 11).
- Examine the question wording, response categories, and frequencies of responses for variables you choose (see Viewing CodeBook Information for a Variable, page 11).
- Create a list of variables you want extracted from the catalog, save your list for later use, print your list, or use a predefined list (see the Tagged Variables Window, page 13).
- Write a SAS, SPSS for DOS, or SPSS for Windows program to extract selected variables from the whole data set or for a subset of the cases you define (see Extracting Data, page 17).

NOTE: The NHES:91/93/95/96 ECB does not create a SAS, SPSS for DOS, or SPSS for Windows data file. It will prepare the statements that you can use with your own SAS, SPSS for DOS, or SPSS for Windows software to create your file. As noted above, the NHES:91/93/95/96 ECB CD/ROM contains the data files from each of the NHES:91, NHES:93, NHES:95, and NHES:96 databases, or catalogs.

Features of the NHES:91/93/95/96 ECB

- A menu-driven system that can be used with a mouse or with key stroke commands (see Working with Menus on page 5, and appendix D).
- Variable List and Tagged Variable Windows that open automatically when a catalog is selected (see figure 1, page 6).

- The ability to open and view multiple windows and commands to manage and organize the windows (see Working with ECB Windows, page 7).

- Scroll functions for windows that allow you to get information from the catalog easily (see Scrolling the Variable List Window, page 11).

- Predefined TagLists that contain groups of related variables that are frequently used together (see the Tagged Variables Window on page 13, and appendix C).

- Help screens for the window or menu command that is currently active (see Getting Help, page 10).

Installing the NHES:91/93/95/96 ECB

Follow the steps listed below to install the NHES:91/93/95/96 ECB. ***If you have already installed the previously released NHES:91 ECB, NHES:91/93 ECB, or NHES:91/93/95 ECB, it is strongly recommended that you delete it from your hard drive before installing this edition (see step 1 below). The NHES:91/93/95/96 ECB contains all of the previously released data and has been enhanced for more efficient analysis.***

1. If you have installed a previously released NHES ECB, it is strongly recommended that you delete all files under the C:\ECB directory. If you have any files you would like to keep, such as taglists or analysis programs, save them in another location (e.g., in another directory or on a floppy disk). If you do not delete the files from a previously installed NHES ECB, the install program for the NHES:91/93/95/96 ECB will prompt you for verification before overwriting each ECB-related file with those from the new NHES:91/93/95/96 ECB. This can be a rather lengthy process, since there are many ECB-related files.

2. Place the NHES:91/93/95/96 compact disc in the CD/ROM drive.

3. Change to the CD/ROM drive:
   D: (or the drive letter for your compact disc reader)

4. Type:
   INSTALL
   and press the **<Enter>** key.

The ECB installation program first asks what drive letter the CD-ROM is in. Then the program creates a C:\ECB directory to house the ECB program. You will be asked to confirm the creation of the C:\ECB directory to hold the program files. You may confirm by pressing any key. If the directory already exists, a warning message will appear.

The files needed to run any catalog are then extracted from BASEZIP.EXE to your C:\ECB directory. You will be prompted as to whether you want to install all catalogs or selectively install specific catalogs. Installation of all catalogs requires 40 megabytes of storage. If you choose a full install, each catalog will be "exploded" from a zipped (compressed) program onto your hard disk from

the CD. If there is not enough hard disk space to install all of the catalogs, a selective install will be done as described below.

If a selective install is chosen, or if there is not enough memory on your hard drive to install all catalogs, you will be prompted about whether to install each catalog one at a time. Before installing a catalog, the program will check for sufficient disk space for that catalog. If there is insufficient space, the program will generate a warning and then continue the installation process by asking whether you want to install the next catalog. The warning that is generated is "You do not have enough space to install all of the catalogs. Therefore, selective installation will be performed."

When executing the ECB, if the user selects a catalog that has not been installed, a warning message will appear. It will indicate that the catalog has not been installed. The user can then repeat the installation by typing INSTALL at the drive letter for your compact disc reader and using the selective install procedure to add any additional catalogs that are needed. If the user wants to selectively install a catalog, it is not necessary to delete previously installed catalogs. After typing INSTALL, a query will appear asking whether the user wants to do a full or selective installation. Select "selective installation" and use the selective install procedure.

When the installation is complete, you will be returned to the C:\ECB prompt ready to run the ECB.

Using the NHES:91/93/95/96 ECB Program

Starting the NHES:91/93/95/96 ECB Program

Follow these directions to start the NHES:91/93/95/96 ECB program:

1. Open your C: drive:
   C:

2. Change to the C:\ECB directory:
   CD\ECB

3. Type:
   ECB96
   and press the **<Enter>** key.

4. The opening display is a Catalog Selection dialog box[1]. The catalog choices are 91:Adult; 91:Adult - Courses; 91:Child - Primary; 91:Child - Pre-Primary; 93:School Readiness; 93:School Safety and Discipline (Youth); 93:School Safety and Discipline (Parent); 93:School Safety and Discipline (Combined); 95:Adult Education; 95:Early Childhood Program Participation (ECPP); 96:Household & Library (HH&L); 96:Parent and Family Involvement in Education and Civic Involvement (Parent PFI/CI); 96:Youth Civic Involvement (Youth CI); and 96:Adult Civic Involvement (Adult CI). Select a Catalog by

[1]A dialog box is a window that asks for information from the user about how to proceed. Examples are the selection of a particular catalog (database) or the selection of specific cases for the extract file.

using the arrow keys to highlight your choice and pressing **<Enter>**. With a mouse, you can simply click on your choice and then click on the "**OK**" button.

The Select Catalog dialog box disappears. After a few moments, two windows are displayed on the screen, one labeled "Variable List" and the other labeled "Tagged Variables." Also displayed on the screen are the ECB Menu Bar and the ECB Status Bar.

Working with Menus

The NHES:91/93/95/96 ECB commands are listed on *menus*. After selecting a menu, the user chooses a command from that menu. Choosing the command carries out the action.

To Select a Menu

Mouse > Point to the name of the menu on the menu bar and click the name to open the menu. (You can drag the selection cursor down the menu if you want to move to a menu item immediately.)

Keyboard >

1. Press **<F10>** to select the menu bar.
2. Press **LEFT ARROW** or **RIGHT ARROW** to select the menu you want. (Using the **DIRECTION** keys also selects the box for the active document window.)
3. Press **<Enter>** to open the selected window.

HINT. If the menu names have highlighted letters, you can move to the menu bar, select a menu, and open it with one step. Press **<Alt>**, and then press the highlighted letter of the menu name. For example, to open the TagList menu, press **<Alt> <T>**. If more than one menu has the same highlighted letter, the ECB selects the first name listed. Press **<Alt>** <letter> again to select the next menu.

To Cancel a Menu Selection

- Click the menu name a second time or click anywhere outside the menu, or
- Press **<Esc>** to cancel the menu and move back to the windows.

Menu Conventions and What They Mean

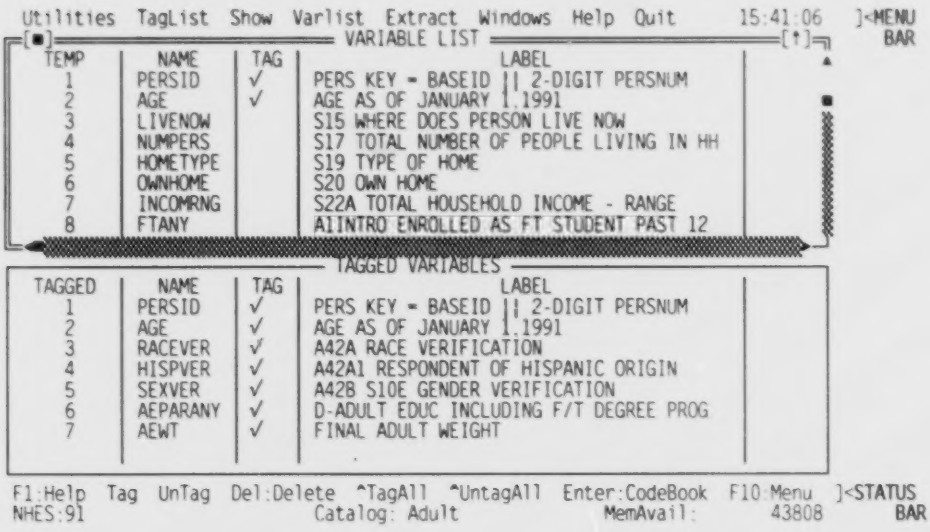
Dimmed command name. If a command cannot be selected at this time, it will appear dimmed on the screen. Use of this command may be contingent upon first activating another command, or the command may not be activated with your particular application.

A key combination after the name. A key combination after a name (e.g., Resize/Move followed by **<Ctrl><F5>**) is a *shortcut* for selecting this command without first opening the menu.

The ECB Menu Bar

Figure 1 shows the Variable List, the Tagged Variables Windows and the ECB Menu and Status bars that appear when the 1991 Adult Catalog is selected. The comparable windows for the other catalogs are very similar. The menu bar is the top row of the screen. Appendix D shows the choices and functions available within each menu of the ECB.

Figure 1.—Variable list and tagged variables windows


Utilities TagList Show Varlist Extract Windows Help Quit 15:41:06
<MENU BAR
VARIABLE LIST
TEMP NAME TAG LABEL
1 PERSID √ PERS KEY = BASEID || 2-DIGIT PERSNUM
2 AGE √ AGE AS OF JANUARY 1,1991
3 LIVENOW S15 WHERE DOES PERSON LIVE NOW
4 NUMPERS S17 TOTAL NUMBER OF PEOPLE LIVING IN HH
5 HOMETYPE S19 TYPE OF HOME
6 OWNHOME S20 OWN HOME
7 INCOMRNG S22A TOTAL HOUSEHOLD INCOME - RANGE
8 FTANY A1INTRO ENROLLED AS FT STUDENT PAST 12
TAGGED VARIABLES
TAGGED NAME TAG LABEL
1 PERSID √ PERS KEY = BASEID || 2-DIGIT PERSNUM
2 AGE √ AGE AS OF JANUARY 1,1991
3 RACEVER √ A42A RACE VERIFICATION
4 HISPVER √ A42A1 RESPONDENT OF HISPANIC ORIGIN
5 SEXVER √ A42B S10E GENDER VERIFICATION
6 AEPARANY √ D-ADULT EDUC INCLUDING F/T DEGREE PROG
7 AEWT √ FINAL ADULT WEIGHT
F1:Help Tag UnTag Del:Delete ^TagAll ^UntagAll Enter:CodeBook F10:Menu
<STATUS BAR
NHES:91 Catalog: Adult MemAvail: 43808

After selecting a Catalog, the menu bar commands are available to you at all times, except when you are answering a dialog box (for example, defining a search, changing the system configuration, or creating an extract file) or when the commands are not relevant (such as the command to size a window if no windows are currently displayed). When commands appear in dimmed print, they are not available.

The ECB Status Bar

The Status Bar is the bottom two lines of the screen (see figure 1). The first line shows some shortcut keys that are useful in the current mode. For example, one shortcut key may be **<F1>** to view a context-sensitive Help screen. Keyboard users can press the **<F1>** key to see the Help screen. Mouse users can click on the shortcut key to activate the command.

The last line on the screen shows the study name and survey year of the catalog selected (e.g., NHES:91), the current catalog name (e.g., Adult) and the amount of DOS memory (characters) left as available workspace (MemAvail). Available workspace is discussed further on page 17.

Working with ECB Windows

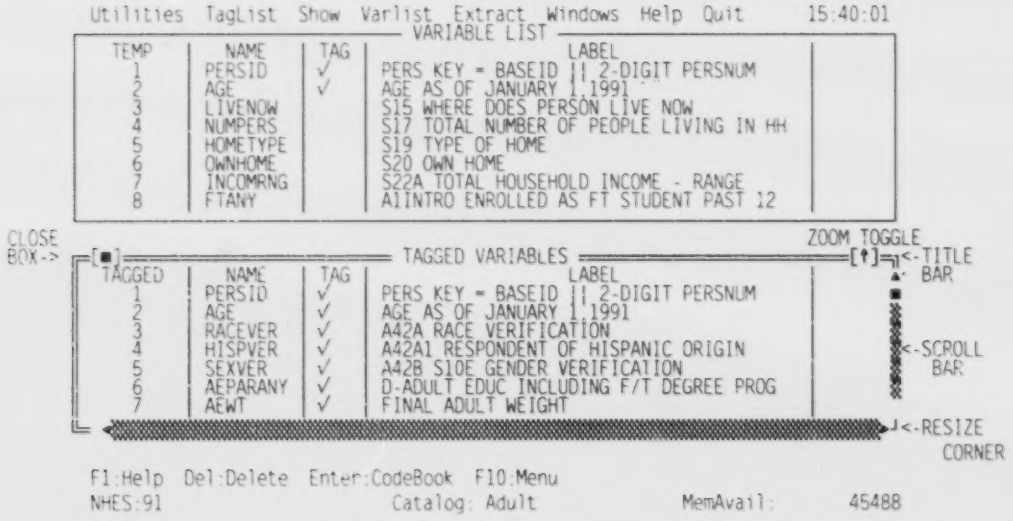
The Windows menu contains commands to close, move, and perform other window-management commands. The active window, which responds to the commands of the user, is represented by a double line border. In figure 2, for example, the Tagged Variables window is the active window.

Most of the windows in this program have standard window elements, including a scroll bar, a close box, and a zoom toggle. The following Windows menu commands are available to users of the ECB.

{Resize/Move}	{Zoom}
{Tile}	{Cascade}
{Next}	{Close}

Each of these commands is described below.

Figure 2.—Elements of an active window


Utilities TagList Show Varlist Extract Windows Help Quit 15:40:01
VARIABLE LIST
TEMP NAME TAG LABEL
1 PERSID √ PERS KEY = BASEID || 2-DIGIT PERSNUM
2 AGE √ AGE AS OF JANUARY 1,1991
3 LIVENOW S15 WHERE DOES PERSON LIVE NOW
4 NUMPERS S17 TOTAL NUMBER OF PEOPLE LIVING IN HH
5 HOMETYPE S19 TYPE OF HOME
6 OWNHOME S20 OWN HOME
7 INCOMRNG S22A TOTAL HOUSEHOLD INCOME - RANGE
8 FTANY A1INTRO ENROLLED AS FT STUDENT PAST 12
CLOSE BOX->
ZOOM TOGGLE
TAGGED VARIABLES
<-TITLE BAR
TAGGED NAME TAG LABEL
1 PERSID √ PERS KEY = BASEID || 2-DIGIT PERSNUM
2 AGE √ AGE AS OF JANUARY 1,1991
3 RACEVER √ A42A RACE VERIFICATION
4 HISPVER √ A42A1 RESPONDENT OF HISPANIC ORIGIN
5 SEXVER √ A42B S10E GENDER VERIFICATION
6 AEPARANY √ D-ADULT EDUC INCLUDING F/T DEGREE PROG
7 AEWT √ FINAL ADULT WEIGHT
<-SCROLL BAR
<-RESIZE CORNER
F1:Help Del:Delete Enter:CodeBook F10:Menu
NHES:91 Catalog: Adult MemAvail: 45488

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Resize/Move **<Ctrl><F5>**

Choose this command to change the size or position of the active window.

Resize

Pressing **<Shift>** while using the arrow keys will change the size of the active window. Once you have adjusted its size, press **<Enter>**.

The Variable List and Tagged Variables List windows each have a Resize corner, where the bottom right corner has a single-line border instead of a double-line border. With the Resize corner, you can adjust the window size by pressing and holding down the left or right mouse button on the corner while moving the mouse. A Resize corner is shown in figure 2.

Move

Choosing Windows Resize/Move also allows the user to move the active window using the arrow keys. Once you have moved the window to where you want it, press **<Enter>**.

You can also move a window by dragging its title bar with the mouse (this cannot be done within the Resize option, however). The title bar is shown in figure 2.

Zoom **<F5>**

Choose Window Zoom to expand the active window to the maximum size. If a window is already zoomed, choosing Window Zoom will restore it to its previous size.

Using a mouse, you can also double-click anywhere on the window's title bar (except where an icon appears) to zoom or unzoom the window.

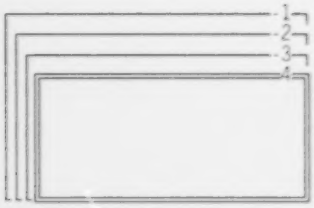
Tile

Choose Window Tile to view all currently opened windows. For example, if four windows have been opened (and not yet closed), the Tile command will enable the user to see all four windows at the same time. See below.

Tiled Windows

Cascade

Choose Window Cascade to stack all opened windows on the desktop. See below for an illustration of cascading four windows. Choose Window Tile to "unstack" the opened windows.



Cascaded Windows

Next <F6>

Choose Window Next to cycle through and view the opened windows. Mouse users can also click anywhere inside a window to make it the active window.

Close <Alt><F3>

Choose Window Close to close the active window. You can also click the Close box (a small rectangle in the upper left corner of the Window border) to close a window. See figure 2 (page 7) for a Close box. After you have closed a window, you may wish to reopen it. The Show command **<Alt><S>** on the Menu Bar gives you the option of opening the Variable List or the Tagged Variables list.

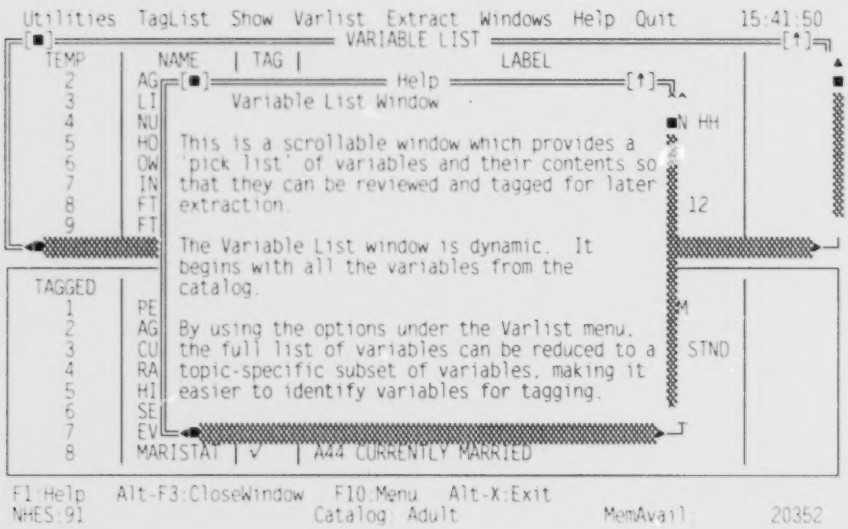
Getting Help

Context-sensitive help is always available in the ECB. Simply press the **<F1>** key and a window pops up on the screen describing the current activity. For example, figure 3 (below) shows the screen you would see if you were browsing a Variable List Window and pressed **<F1>** to bring up context-sensitive Help.

Special Help screens are available for different types of windows, dialog boxes, and menu choices. Help text windows can be scrolled, moved, and resized like any other window. Unlike other windows, Help windows are "modal." This means that you will not be able to do anything else (select another window, use the menu, etc.) until you close the Help window.

Help windows can be closed by pressing the **<Esc>** key or clicking on the close box.

Figure 3.—A context-sensitive help screen


Utilities TagList Show Varlist Extract Windows Help Quit 15:41:50
VARIABLE LIST
TEMP
NAME | TAG | LABEL
Help
Variable List Window
This is a scrollable window which provides a 'pick list' of variables and their contents so that they can be reviewed and tagged for later extraction.
The Variable List window is dynamic. It begins with all the variables from the catalog.
By using the options under the Varlist menu, the full list of variables can be reduced to a topic-specific subset of variables, making it easier to identify variables for tagging.
TAGGED
MARISTAT | ✓ | A44 CURRENTLY MARRIED
F1:Help Alt-F3:CloseWindow F10:Menu Alt-X:Exit
NHES:91
Catalog: Adult
MemAvail: 20352

Cross-References

Often, certain words or phrases in the help text are highlighted. These are cross-references. When a cross-reference is highlighted, pressing **<Enter>** will bring up the Help text for the highlighted item. For Help windows that have several cross-references, the **<Tab>** key allows the user to move the highlight to another cross-reference. Mouse users can double-click on a cross-reference to activate it.

Help Menu

A listing of help topics is available by selecting Index from within the Help menu. The **<Tab>** key allows the user to move the highlight to another topic. Mouse users may click on a topic to highlight it.

The Variable List Window

The Variable List Window is a picklist of variables for the current catalog. Each catalog has a single Variable List Window. The Variable List Window starts out showing ALL variables in a given catalog. The Variable List is the active window in figure 1 (page 6).

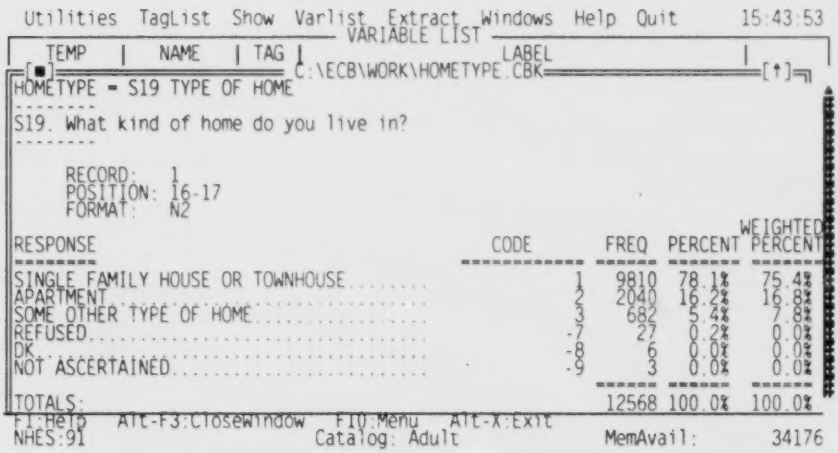
Scrolling the Variable List Window

You can scroll the variable list using the arrow keys to scroll one line at a time. **<PgUp>** and **<PgDn>** scroll the list one screen at a time. **<Ctrl><PgUp>** and **<Ctrl><PgDn>** will move to the first and last variable in the list, respectively. Mouse users can scroll the list with the same keys or click on the scroll bar on the right border of the window. The scroll bars are shown in figure 2 (page 7).

Viewing CodeBook Information for a Variable

To view CodeBook information for a variable, scroll the variable list until the selected variable is highlighted. Then, press **<Enter>**. Mouse users can double-click on the variable. Figure 4 shows a CodeBook Information Window that displays information for a specific variable from the 1991 Adult Catalog. The information displayed includes the following: the variable name and label; the question wording associated with the variable; the location and format of the variable on the data file; each value and its label; frequencies, unweighted percentage distributions and weighted percentage distributions.

Figure 4.—Codebook information window


Utilities TagList Show Varlist Extract Windows Help Quit 15:43:53
VARIABLE LIST
TEMP | NAME | TAG | LABEL
C:\ECB\WORK\HOMETYPE.CBK
HOMETYPE = S19 TYPE OF HOME
S19. What kind of home do you live in?
RECORD: 1
POSITION: 16-17
FORMAT: N2
RESPONSE CODE FREQ PERCENT WEIGHTED PERCENT
SINGLE FAMILY HOUSE OR TOWNHOUSE 1 9810 78.1% 75.4%
APARTMENT 2 2040 16.2% 16.8%
SOME OTHER TYPE OF HOME 3 682 5.4% 7.8%
REFUSED -7 27 0.2% 0.0%
DK -8 6 0.0% 0.0%
NOT ASCERTAINED -9 3 0.0% 0.0%
TOTALS: 12568 100.0% 100.0%
F1:Help Alt-F3:CloseWindow F10:Menu Alt-X:Exit
NHES:91 Catalog: Adult MemAvail: 34176

Tagging Variables for Extraction

While browsing the Variable List Window, a variable can be tagged for extraction by pressing "**T**" or "**t**" or by pressing the space bar while the variable is highlighted. A small check mark will appear in the **Tag** column. At the same time, the variable will be added to the Tagged Variables Window. In both figure 1 (page 6) and figure 2 (page 7), tagged variables can be seen. Pressing "**U**" or "**u**" or the space bar will untag the variable. The check mark will disappear and the variable will disappear from the Tagged Variables Window. Pressing the space bar will toggle the tag (off if on, on if off). Variables can only be tagged or untagged one at a time; a group of variables cannot be highlighted for tagging or untagging. However, **<Ctrl><T>** will tag ALL variables in the Variable List Window for extraction and **<Ctrl><U>** will untag ALL variables in the window. Mouse users can click with the right mouse button to toggle the tag for a single variable. Mouse users can also click on **Tag** or **Untag** on the status bar to tag and untag variables.

Deleting Variables from the Variable List Window

The currently highlighted variable can be deleted from the Variable List Window by pressing the **<Del>** key. This has *no effect* on whether the variable is currently tagged for extraction.

Focusing the Variable List

The Varlist functions on the Menu Bar operate on the Variable List Window. Choosing the Narrow option under the Varlist menu will cause the Variable List to shrink so that it includes only variables whose name or label contains the keyword you enter.

Choosing the Expand option under the Varlist menu will cause the Variable List to grow so that it includes already selected variables, *plus* any variables for the catalog whose name or label contains the keyword you enter. Note that the initial Variable List Window contains *all* variables for a given catalog, so selecting the Expand option is never necessary unless the original variable list has been modified. Figures 5 and 6 (page 13) show the dialog boxes that pop up to allow you to enter a keyword for the search. Simply type in a short phrase and press **<Enter>**. You can enter a key word that will expand the Variable List or narrow it.

The Reset option under the Varlist menu creates a Variable List Window showing *all* variables for the catalog. This list is identical to the Variable List Window that appears when the catalog is first opened.

Focusing a Variable List Window has *no effect* on the list of variables that are tagged for extraction.

Figure 5.—Varlist/narrow window

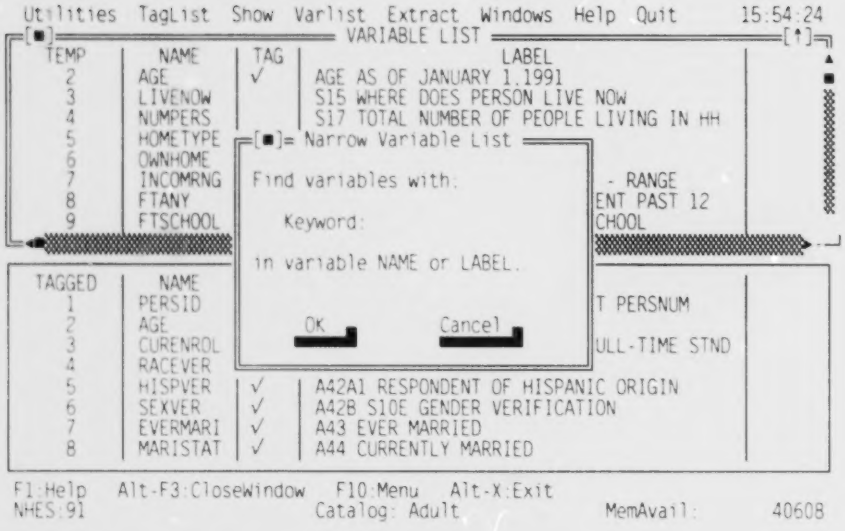
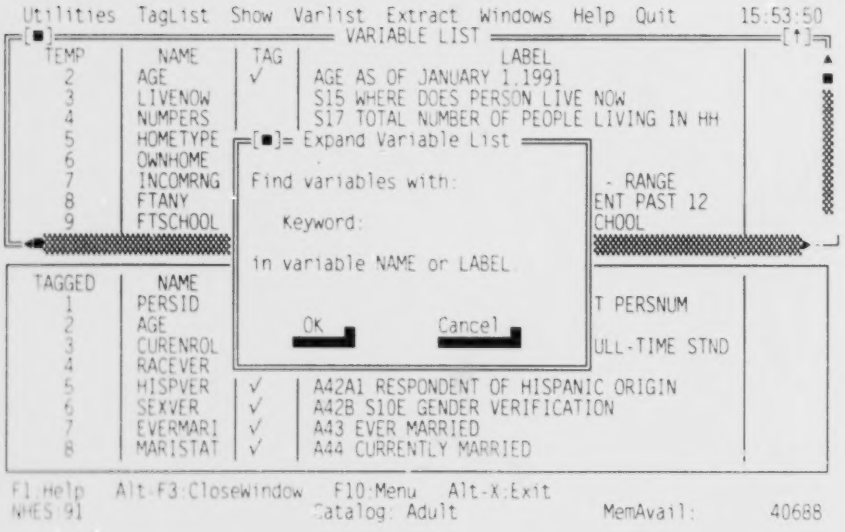


Figure 6.—Varlist/expand window



The Tagged Variables Window

The Tagged Variables Window displays a list of variables that are currently selected (tagged) for extraction. Each catalog has a single Tagged Variables Window. The initial Tagged Variables Window consists of a set of variables required for most analyses (the REQFLDS predefined TagList). Users may alter the Tagged Variables Window according to their analytic needs. See figure 1 (page 6) for an example of a Tagged Variables Window.

Altering the TagList has *no effect* on the list of variables in the Variable List Window. However, if a variable is present in the Variable List Window and is then added to the Tagged Variables Window, a check mark will appear next to that variable in the Variable List Window.

Scrolling the Tagged Variables Window

Scrolling the Tagged Variables Window is exactly like scrolling the Variable List Window. You may scroll the Tagged Variables Window using the arrow keys, **<PgUp>**, **<PgDn>**, **<Ctrl><PgUp>**, and **<Ctrl><PgDn>**. Mouse users can scroll the list with the same keys, or click on the scroll bar on the right border of the window.

Viewing CodeBook Information for a Variable

The user can view the CodeBook information for variables in the Tagged Variables Window in the same manner as the Variable List Window. To view CodeBook information for a variable, scroll the Tagged Variables Window until the variable you want to review is highlighted. Then press the **<Enter>** key. Mouse users can double-click on the variable. In either case, a CodeBook Information Window will display for the variable. To close the window, press **<Alt><F3>**, or use the mouse to click on the close box in the upper left corner of the CodeBook Information Window.

Deleting (Untagging) Variables from the Tagged Variables Window

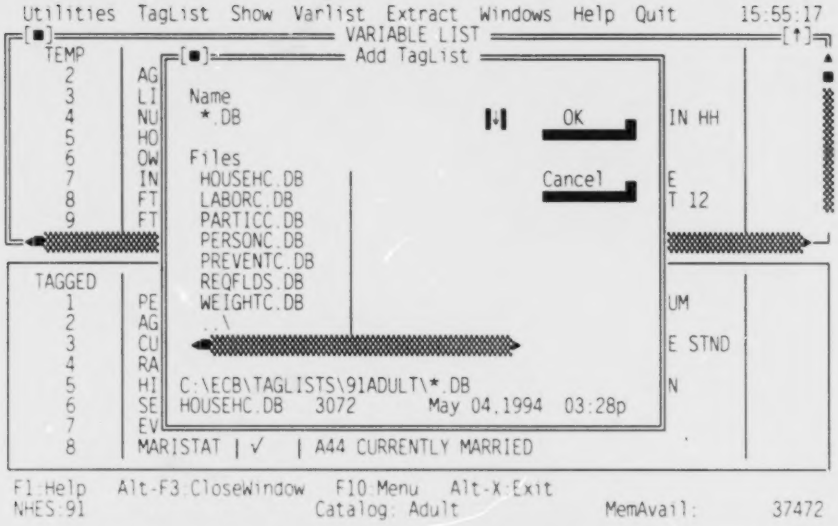
A currently highlighted variable can be deleted from the Tagged Variables Window (and therefore untagged) by pressing the **<Del>** key. If the variable is present in the Variable List Window, the check mark next to the variable will also disappear.

Using Predefined TagLists

The TagList functions on the Menu Bar operate on the Tagged Variables Window. Selecting the Add option in the TagList menu will expand the Tagged Variables Window so that it contains all of the previously tagged variables as well as those variables in the TagList that you select.

Figure 7 shows the dialog box that allows you to select a TagList to Add to the current TagList. Use the arrow keys to highlight the TagList you want to add or click on the TagList name, and press **<Enter>** to start the merge. You may add as many TagLists as you wish. Appendix C describes the contents of the predefined TagLists for each catalog. Note that once you add a TagList to your set of tagged variables, it cannot be deleted as an entire list. To delete the entire list you will have to delete the variables one-by-one.

Figure 7.—Add taglist window

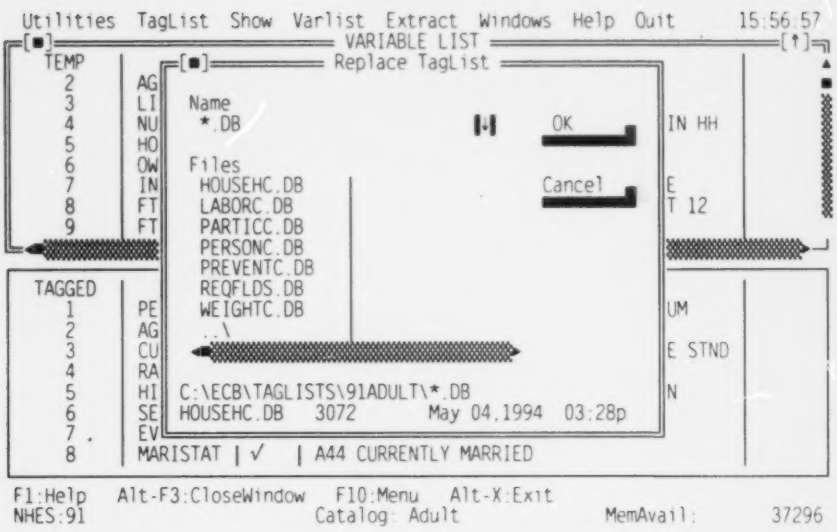


Each catalog contains a TagList of "required fields" or variables that must be included for analysis (REQFLDS.DB). These variables, among which are the case identification number, the final sample weight, and a few others, will be automatically included in extracts. Even if the user accidentally "untags" a required field so that the variable appears untagged on the screen, these variables will automatically be written into the extraction code.

Choosing the Replace function in the TagList menu will cause the current entries in the Tagged Variables Window to be replaced by the list of variables in the predefined TagList that you select. All previously tagged variables will be removed from the Tagged Variables Window. However, as stated above, while the required fields will not be visible in the Tagged Variables Window, they will be automatically extracted.

Figure 8 shows the dialog box that pops up to allow you to select a TagList to replace the current TagList. Use the arrow keys to highlight a selected TagList or click on the TagList name and press **<Enter>** to start the replacement.

Figure 8.—Replace taglist window



Printing and Saving TagLists

Selecting the Print option in the TagList menu allows you to print the current TagList to your default printer (see figure 9, page 17).

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Figure 9.—Text file of current taglist as printed by default printer

```
Current TagList
===============

Name      LABEL
--------  ----------------------------------------
PERSID    PERS KEY = BASEID || 2-DIGIT PERSNUM
AGE       AGE AS OF JANUARY 1,1991
CURENROL  A1B CURRENTLY ENROLLED AS FULL-TIME STND
RACEVER   A42A RACE VERIFICATION
HISPVER   A42A1 RESPONDENT OF HISPANIC ORIGIN
SEXVER    A42B S10E GENDER VERIFICATION
EVERMARI  A43 EVER MARRIED
MARISTAT  A44 CURRENTLY MARRIED
HIGHGRAD  A59 HIGHEST GRADE COMPLETED
HSDIPLMA  A60 RECEIVE HIGH SCHOOL DIPLOMA OR EQUIV
MAINACTY  A61 MAIN ACTIVITY IN PAST 12 MONTHS
MILFLG    MILITARY FLAG
SIC       INDUSTRY CODE
SOC       OCCUPATION CODE
AELABOR   D-LABOR FORCE STATUS
AEPARANY  D-ADULT EDUC INCLUDING F/T DEGREE PROG
RACEETHN  D-RACE-ETHNICITY
SALARY    D-ANNUAL SALARY/CURRENT OR MOST RCNT JOB
SCHOOLNG  D-YEARS OF SCHOOL COMPLETED
AEWT      FINAL ADULT WEIGHT
```

To save the current Tagged Variables Window as a TagList, select the Save option in the TagList menu. Figure 10 (page 18) shows the dialog box that allows you to enter a name for your TagList. Type in a name of up to eight characters for your TagList and press **<Enter>** to save it with that name. The extension .DB is automatically added to the TagList.

WARNING: If you enter a name that already exists, the old TagList will be replaced by your new TagList without warning. Only duplicate an existing name if you wish to replace the old TagList with your new TagList.

Available Workspace

As you work in the ECB, scrolling through the variables in the windows and tagging variables, the amount of DOS memory (characters) left as workspace will decrease. As mentioned above, the amount of workspace available is indicated at the bottom of the screen (MemAvail). It is recommended that you monitor the amount of workspace remaining as you are working. If the available workspace is depleted, a message will appear indicating that there is insufficient memory to continue and you must exit the ECB program without being able to save your work. Therefore, it is recommended that you periodically save your TagList as you are working, plus keep an eye on the amount of available workspace, particularly if you are tagging a large number of variables. When the workspace approaches 12,000, it is recommended that you do the following to increase the amount of workspace available: save your TagList, exit the ECB, restart the ECB, add the TagList you saved, and proceed with tagging any additional variables.

Users should note that using the arrow keys to scroll takes more memory than using the scroll bar and using the **<PgUp>** and **<PgDn>** keys takes more memory than dragging the mouse cursor up and down the side of the scroll bar.

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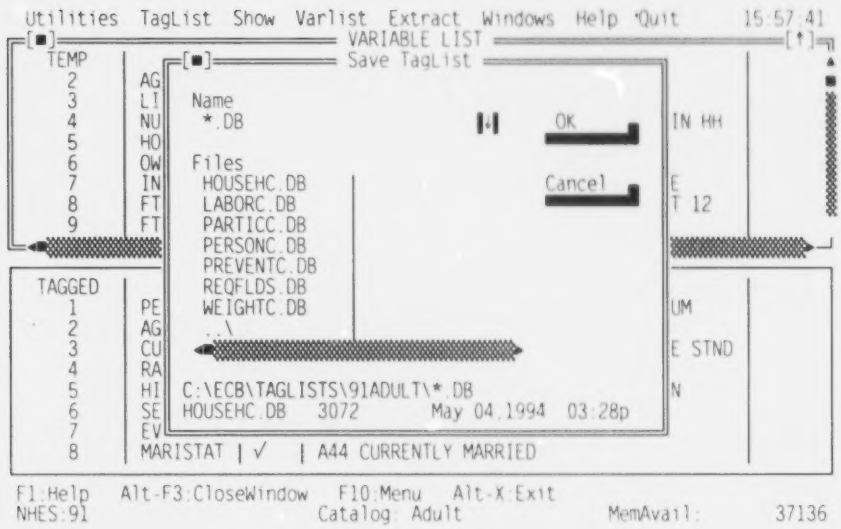
Figure 10.—Save TagList Window



Extracting Data

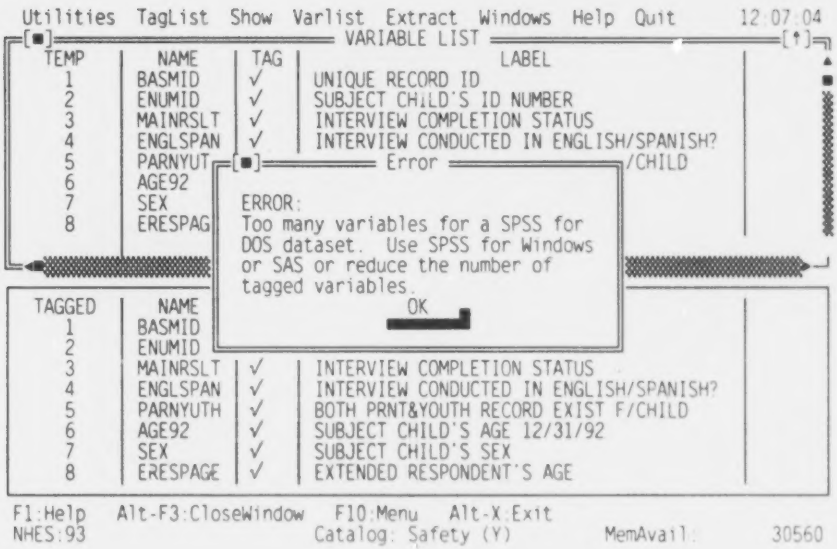
Once the variables have been selected for extraction (tagged), the next step is to write the SAS, SPSS for DOS, or SPSS for Windows code necessary to extract the data from the data files. The Extract functions on the Menu Bar accomplish this.

The SAS Code option in the Extract menu will cause the necessary SAS program code to be written to a file whose name you specify. The .SAS extension is automatically added. The SPSS DOS Code and SPSS Win Code options will cause the necessary SPSS for DOS or SPSS for Windows program code to be written to a file whose name you specify. The .SPS extension is automatically added to the file you name. Please note that SPSS for DOS data sets are limited to 500 variables. Figure 11 (page 19) shows an SPSS for DOS error screen.

Defining the Extract Population

Using either the SAS, SPSS for DOS, or SPSS for Windows Code options, you will be presented with a dialog box that allows you to define the extract population. By default, the extract population is *all* respondents in the catalog. You may select to include only female subjects, or only persons of Hispanic origin, etc.

Figure 11.—SPSS for DOS error screen


Utilities TagList Show Varlist Extract Windows Help Quit 12:07:04
VARIABLE LIST
TEMP NAME TAG LABEL
1 BASMID ✓ UNIQUE RECORD ID
2 ENUMID ✓ SUBJECT CHILD'S ID NUMBER
3 MAINRSLT ✓ INTERVIEW COMPLETION STATUS
4 ENGLSPAN ✓ INTERVIEW CONDUCTED IN ENGLISH/SPANISH?
5 PARNYUT /CHILD
6 AGE92
7 SEX
8 ERESPAG
Error
ERROR:
Too many variables for a SPSS for DOS dataset. Use SPSS for Windows or SAS or reduce the number of tagged variables.
OK
TAGGED NAME
1 BASMID
2 ENUMID
3 MAINRSLT ✓ INTERVIEW COMPLETION STATUS
4 ENGLSPAN ✓ INTERVIEW CONDUCTED IN ENGLISH/SPANISH?
5 PARNYUTH ✓ BOTH PRNT&YOUTH RECORD EXIST F/CHILD
6 AGE92 ✓ SUBJECT CHILD'S AGE 12/31/92
7 SEX ✓ SUBJECT CHILD'S SEX
8 ERESPAGE ✓ EXTENDED RESPONDENT'S AGE
F1:Help Alt-F3:CloseWindow F10:Menu Alt-X:Exit
NHES:93 Catalog: Safety (Y) MemAvail: 30560

The Extract Specification Window displays various subgroups of respondents that are typically of interest to analysts. This Window allows the user to specify a subgroup based on characteristics, such as sex, race, and age. By selecting the subgroup of interest, the user can easily generate SAS, SPSS for DOS, or SPSS for Windows code that will subset the data to the subpopulation specified.

Figure 12 (page 20) shows the dialog box for the 1991 Adult Catalog that pops up to allow you to define the extract population. This particular dialog box includes several sections that appear for most catalogs: Sex, Race, and Age. In addition, Adult Catalogs have a Participation section, while Child Catalogs have a Grade, School Type, or Interview section. Examples of the Extract Specification Windows for the other NHES data sets are shown in figures 13 through 25 (pages 20-26).

Subpopulations, with the exception of those sorted by age (or grade level for the School Safety and Discipline and Youth CI catalogs), are included in the extract file only when there is an "X" next to their description in the Extract Specification dialog box. They are excluded when there is not an "X" next to their description. For example, if there is an "X" next to "Male," but no "X" next to "Female," only male subjects will be included in the extract file.

Changing a Setting: Except for the age or grade settings, a setting can be changed by pressing the spacebar. Mouse users can click on a setting to change it. For example, pressing the spacebar while "Male" is highlighted will turn the "X" off if it already exists (to deselect males) or turn the "X" on if it does not exist (to select males).

Figure 12.—1991 Adult education extract specification window

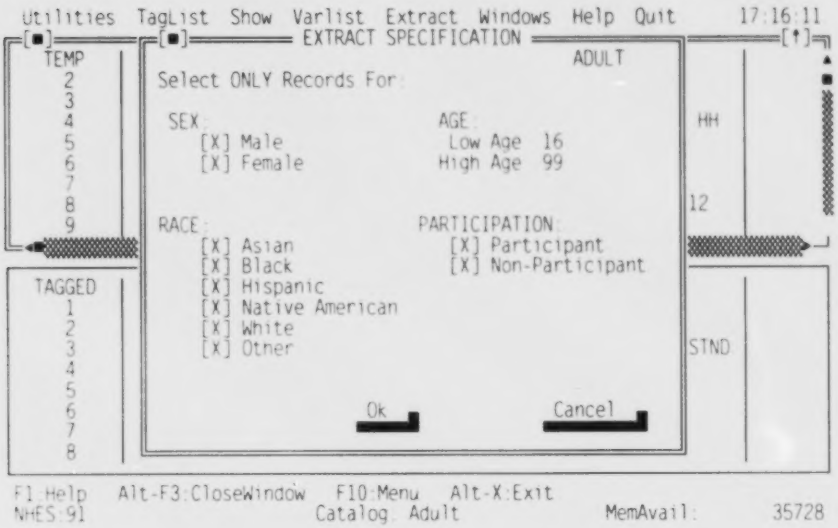


Figure 13.—1991 Adult course extract specification window

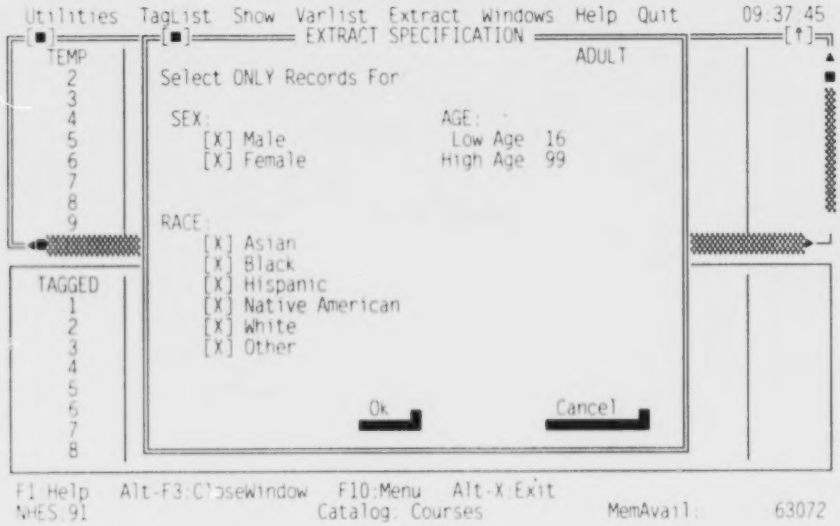


Figure 14.—Primary extract specification dialog window

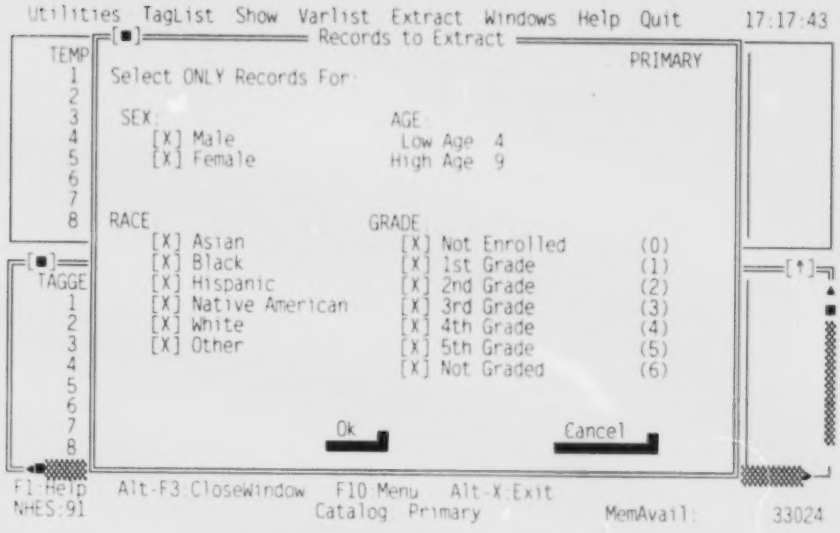


Figure 15.—Preprimary extract specification dialog window

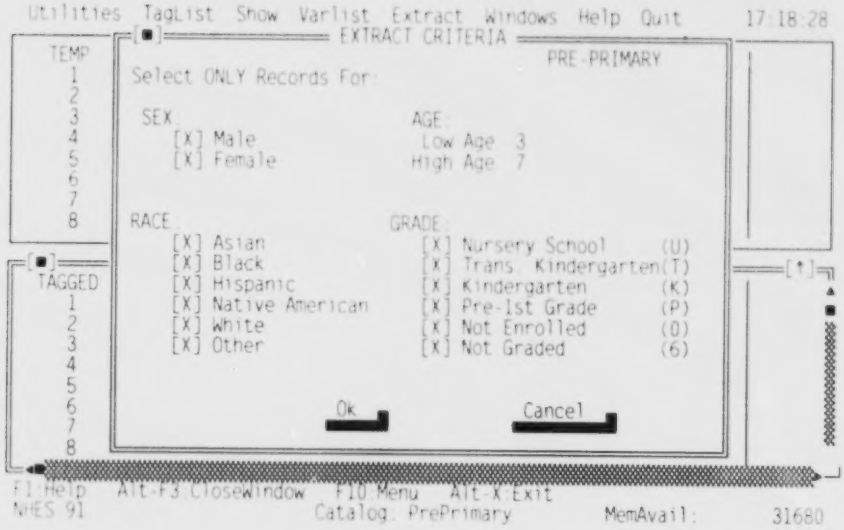


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Figure 16.—School readiness extract specification dialog window

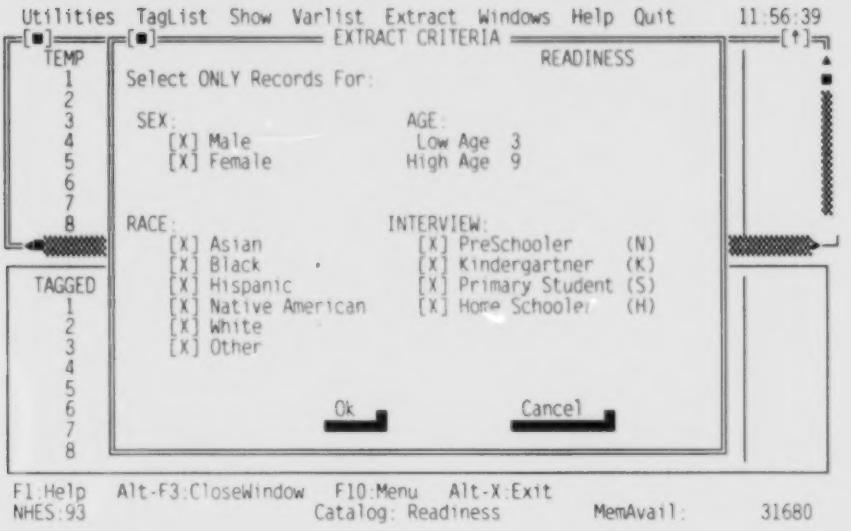


Figure 17.—School safety and discipline (parent) extract specification dialog window

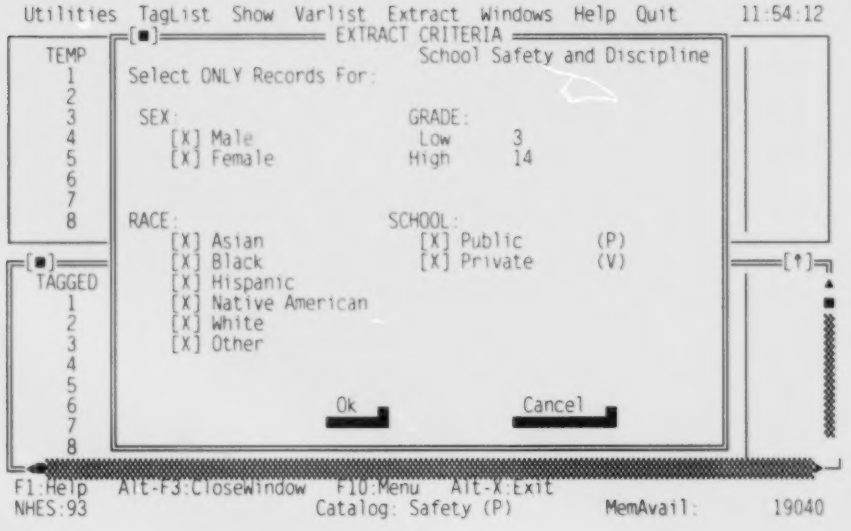


Figure 18.—School safety and discipline (youth) extract specification dialog window

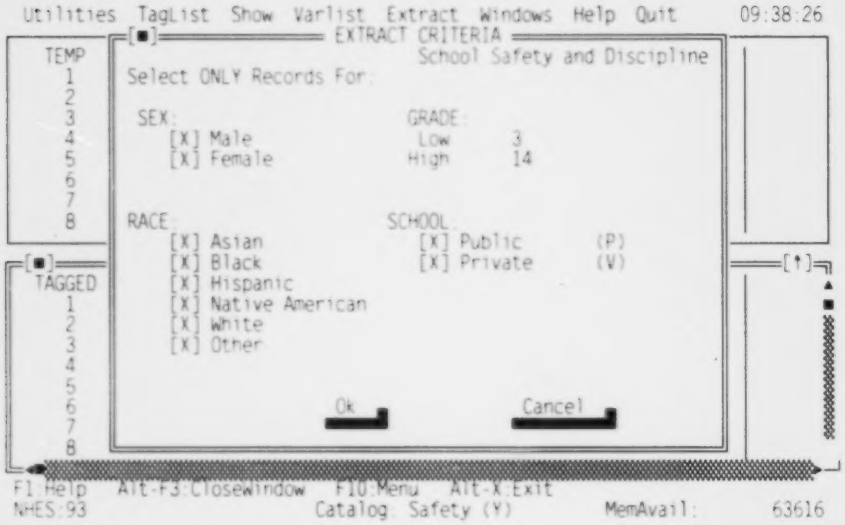


Figure 19.—School safety and discipline (combined) extract specification dialog window

Figure 20.—1995 Adult education extract specification window

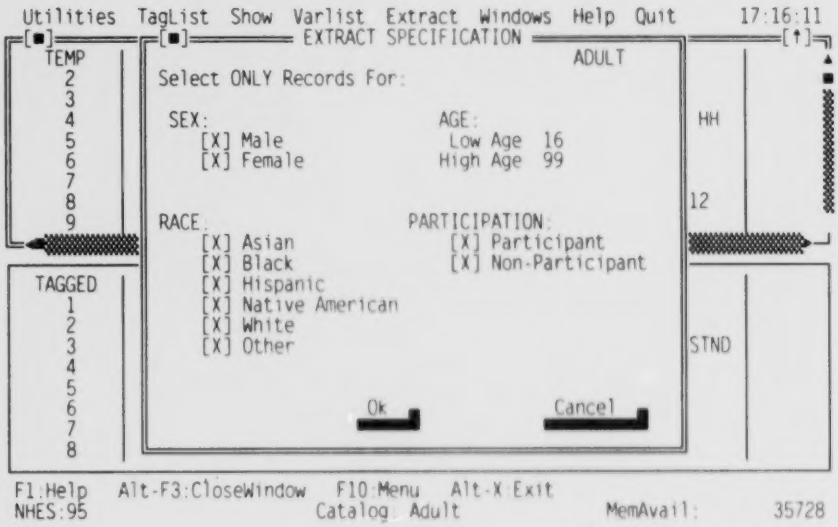


Figure 21.—ECPP extract specification dialog window

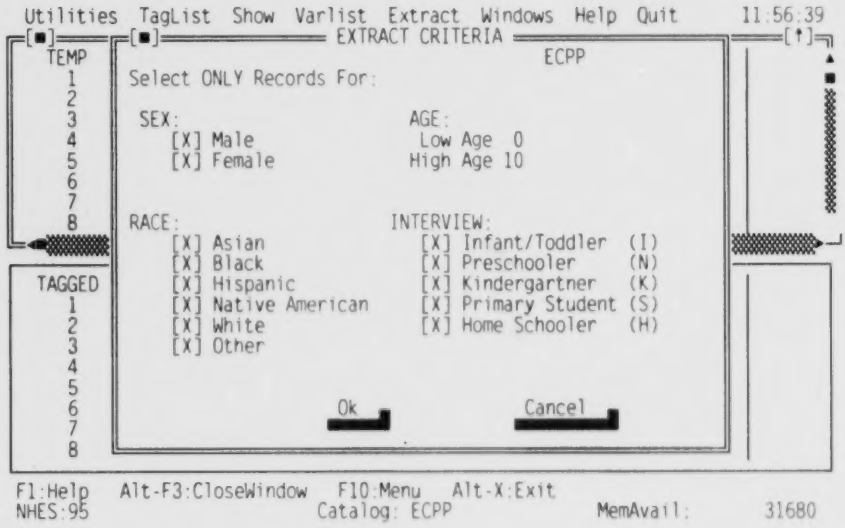


Figure 22.—Household & Library extract specification dialog window

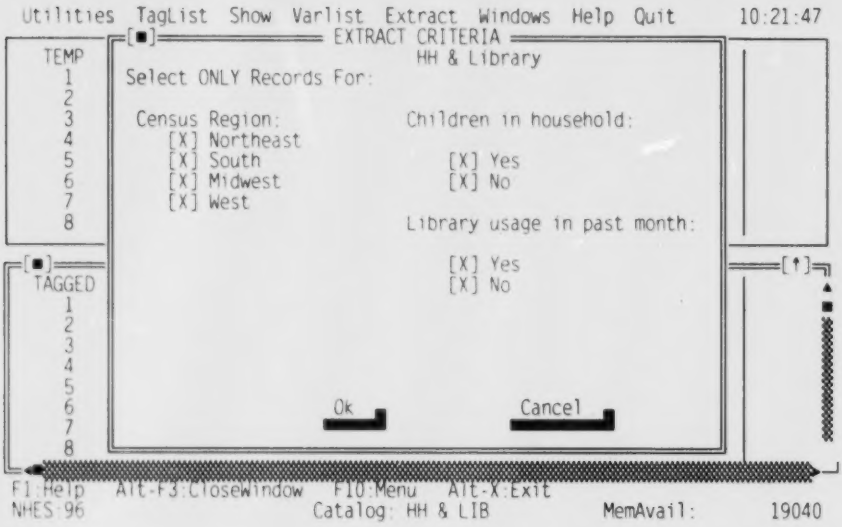
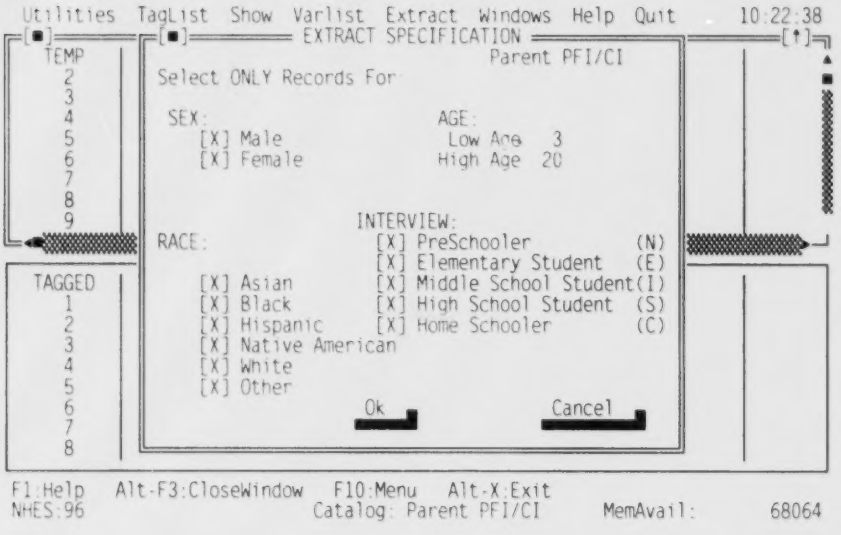


Figure 23.—Parent PFI/CI extract specification window



NOTE: The quick keys under "INTERVIEW" for the Middle School Student and Home Schooler selections in the Parent PFI/CI extract specification window do not correspond to the values of the MAINRSLT variable so as not to conflict with other quick keys on this extract screen.

Figure 24.—Youth CI extract specification dialog window

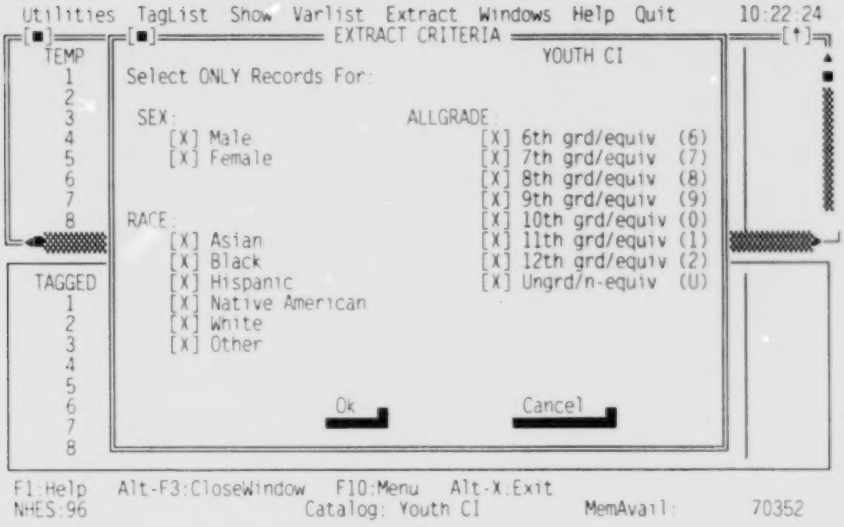
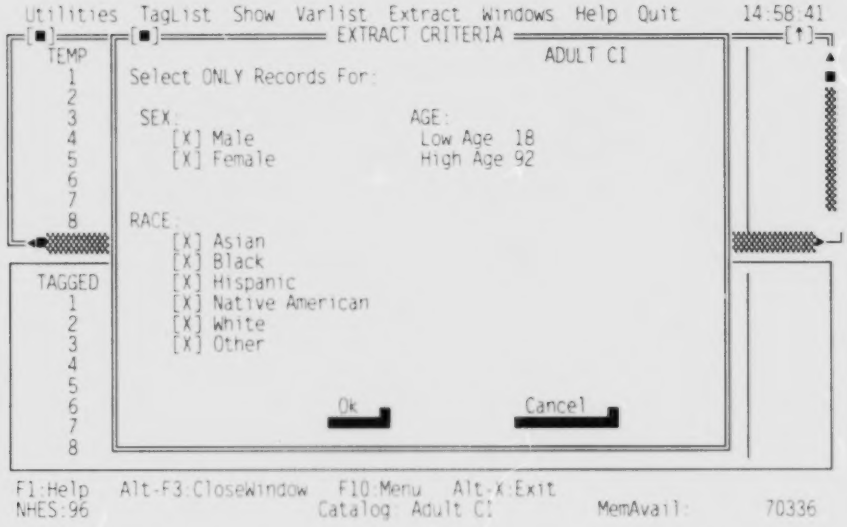


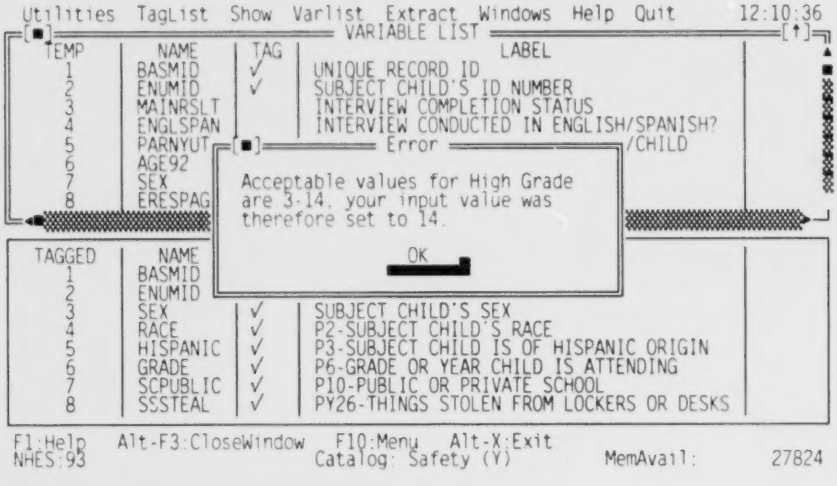
Figure 25.—Adult CI extract specification dialog window



To specify an age or grade range other than the default range, the user must enter the low and high ages or grades directly, by typing a number into the window. For child and adult catalogs, the default setting for the low and high ages correspond to the age range of children or adults included in the data set. Similarly, for the School Safety and Discipline catalogs (i.e., Youth, Parent, and Combined), the low and high grade levels correspond to the grade range of the sampled children included in the data set.

An error message will be displayed if a user violates the default settings by entering a number outside of the default range. The ages and grades are inclusive. This means, for example, that to select 4-year-olds *only*, you would enter the number 4 into *both* the Low Age and High Age lines. To select respondents under age 21, you would enter a 20 in the High Age line and use the default setting for the Low Age. Figure 26 is an example of an out-of-range data screen.

Figure 26.—An out-of-range data screen


Utilities TagList Show Varlist Extract Windows Help Quit 12:10:36
VARIABLE LIST
TEMP NAME TAG LABEL
1 BASMID ✓ UNIQUE RECORD ID
2 ENUMID ✓ SUBJECT CHILD'S ID NUMBER
3 MAINRSLT INTERVIEW COMPLETION STATUS
4 ENGLSPAN INTERVIEW CONDUCTED IN ENGLISH/SPANISH?
5 PARNYUT /CHILD
6 AGE92
7 SEX
8 ERESPAG
Error
Acceptable values for High Grade are 3-14. your input value was therefore set to 14.
OK
TAGGED NAME
1 BASMID
2 ENUMID
3 SEX ✓ SUBJECT CHILD'S SEX
4 RACE ✓ P2-SUBJECT CHILD'S RACE
5 HISPANIC ✓ P3-SUBJECT CHILD IS OF HISPANIC ORIGIN
6 GRADE ✓ P6-GRADE OR YEAR CHILD IS ATTENDING
7 SCPUBLIC ✓ P10-PUBLIC OR PRIVATE SCHOOL
8 SSSTEAL ✓ PY26-THINGS STOLEN FROM LOCKERS OR DESKS
F1:Help Alt-F3:CloseWindow F10:Menu Alt-X:Exit
NHES:93 Catalog: Safety (Y) MemAvail: 27824

Moving Between Subgroups Within A Section: Use the arrow key to select the characteristics you want within a subgroup. Pressing the **<SPACE BAR>** at the characteristics you do **NOT** want to select will untag these characteristics, leaving **[X]**'s only at the characteristics you want to select. Mouse users can simply click on the characteristics they wish to untag.

Moving Between Sections: You can move to a different section of the dialog box by pressing the **<Tab>** key. Pressing **<Tab>** again will cycle to the next section. Mouse users can simply click on the setting they wish to change.

Ending Selection: Press **<Enter>** to finish defining the extract population. Mouse users can click on the "**OK**" button.

Writing the Extract Program File

Next, you are asked for the file name you want to give your extract program. Enter up to an 8-character name. The extension .SAS or .SPS will automatically be added. Note that if you enter a name that already exists, the old program will be replaced by your new program without warning. Your program file will be written to your Working Directory (default: C:\ECB\WORK). If you do not want the program file written to the default C:\ECB\WORK directory, there are at least two ways to

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accommodate this. First, you can change the default to another path, by selecting Setup in the Utilities menu and changing the Working Directory path (see also appendix G, Configuring the ECB Directories). Another option is to type in the exact path when prompted for the filename to assign the extract program.

You will need to quit the ECB Program to run this job, using your own SAS, SPSS for DOS, or SPSS for Windows software. It is recommended that you review the program before running it in the event that you need to customize it. For example, you may want frequencies performed for some variables, to change a file name, etc. If no modifications are made to the program, the extract data file will be created with the default name ("EXTRACT") and a listing of the contents will be output. If you fail to specify or incorrectly specify a directory, this "EXTRACT" file will be written to the default subdirectory, ECB\WORK. Code for generating frequencies and means is written in the program but "commented out." Therefore, to obtain this output, you will have to remove the comment symbols. Appendix F shows examples of programs for each software type, indicating some places that users will probably want to edit the program code.

Reviewing the Extract Specifications

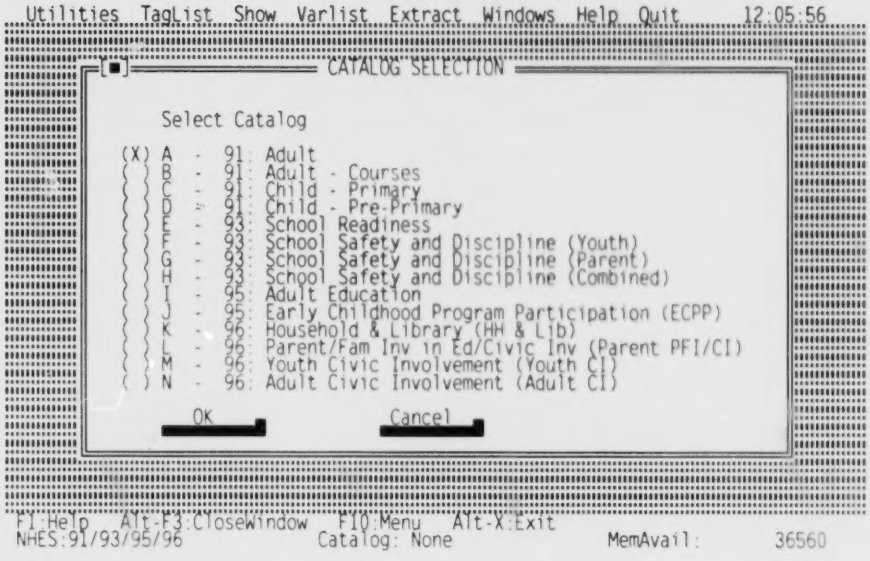
The only type of selection error for which the ECB checks is out-of-range age or grade entries (described above). Therefore, be careful when defining your extract criteria. It is also recommended that you review the SAS or SPSS program code that is written out before running it, so that you can check that any statements subsetting the data are correct. Note that the ECB sometimes outputs superfluous code for selecting cases; this code is consistent with extract specifications, but you may wish to delete it. For example, in the 1995 Adult Education catalog, if you specify in the ECB that both participants and nonparticipants be included in the extract data file, the extract program will be written to select cases for whom AEPARANY=1 OR AEPARANY=0. This code is consistent with the specifications but not necessary because all cases have values of either 1 or 0 for AEPARANY.

If you make a mistake in defining the criteria that is not discovered until after writing out or running the extract program, it is very easy to correct *if you saved your TagList before exiting the ECB program*. Simply restart the ECB and select the appropriate catalog, add the TagList that you saved, define the extract criteria correctly, and write out the extract program again.

Switching Catalogs

After the user has completed work in a catalog, it is possible to access another catalog without quitting the ECB. The user must choose the Utilities menu and select Catalog. A new catalog can then be selected. If all of the windows from the previous catalog have not been closed, a warning message is displayed saying "This will close the current variables and taglists. Do you want to continue?" By pressing "Yes", the user will call up the Catalog Selection Dialog Box (figure 27 on page 28) and can then select a different catalog. Note that if you select "Yes" without first saving your TagList, your TagList will be lost. Pressing "Cancel" will call up the active window in the current catalog.

Figure 27.—Catalog selection dialog box


Utilities TagList Show Varlist Extract Windows Help Quit 12:05:56
CATALOG SELECTION
Select Catalog
(X) A - 91: Adult
( ) B - 91: Adult - Courses
( ) C - 91: Child - Primary
( ) D - 91: Child - Pre-Primary
( ) E - 93: School Readiness
( ) F - 93: School Safety and Discipline (Youth)
( ) G - 93: School Safety and Discipline (Parent)
( ) H - 93: School Safety and Discipline (Combined)
( ) I - 95: Adult Education
( ) J - 95: Early Childhood Program Participation (ECPP)
( ) K - 96: Household & Library (HH & Lib)
( ) L - 96: Parent/Fam Inv in Ed/Civic Inv (Parent PFI/CI)
( ) M - 96: Youth Civic Involvement (Youth CI)
( ) N - 96: Adult Civic Involvement (Adult CI)
OK
Cancel
F1:Help Alt-F3:Closewindow F10:Menu Alt-X:Exit
NHES:91/93/95/96 Catalog: None MemAvail: 36560

Quitting the NHES:91/93/95/96 ECB

The last choice on the Menu Bar is Quit. To quit, choose the Quit menu and press **<Enter>**. Mouse users can click the Yes option of the Quit menu. A confirmation box appears confirming that the user wants to quit. Selecting **YES** will result in exiting the ECB. Users may decide not to exit the ECB by selecting **CANCEL**.

Now that you have been introduced to the NHES:91/93/95/96 ECB program, you may want to review appendix E, Quick Start--Sample ECB Session.

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Appendix A: Survey Methodology Documentation

WordPerfect 5.1 documents (.WP5) that detail the NHES:91, NHES:93, NHES:95, and NHES:96 survey methodology are provided on the compact disc. These files are located in the subdirectories for each survey component on the compact disc: 91ADULT, 91CHILD, 93READY, 93SAFETY, 95ADULT, 95ECPP, 96MANUAL. The CD also contains a subdirectory called 96ECBDOC which contains this document, a subdirectory called 96GUIDE that contains a Guide to Using Data from the National Household Education Survey, and a subdirectory called CRSMERGE which contains the data and documentation for the course code merge data files associated with the Adult Education (AE) component of the NHES:91 and NHES:95. The documentation files may be reviewed and printed directly from the CD-ROM or may be copied to another storage device (for example, a hard disk) and then printed. These documents are formatted for a HP LaserJet III or similar laser printer.

The included documentation files and their placement in the NHES User's Manuals are:

NHES:91 Adult Education User's Manual Files (91ADULT)

ADULTTOC.WP5	Table of Contents
ADULT1.WP5	Chapter 1
ADULT2.WP5	Chapter 2
ADULT3.WP5	Chapter 3
ADULT4.WP5	Chapter 4
ADULT5.WP5	Chapter 5
ADULT6.WP5	Chapter 6
ADULT7.WP5	Chapter 7
ADLTQUES.WP5	Screener and Questionnaire
ADULT_B.WP5	Appendix B
ADULT_C.WP5	Appendix C
ADULT_D.WP5	Appendix D
ADULT_E.WP5	Appendix E

NHES:91 Preprimary and Primary User's Manual Files (91CHILD)

CHILDTOC.WP5	Table of Contents
CHILD1.WP5	Chapter 1
CHILD2.WP5	Chapter 2
CHILD3.WP5	Chapter 3
CHILD4.WP5	Chapter 4
CHILD5.WP5	Chapter 5
CHILD6.WP5	Chapter 6
CHILD7.WP5	Chapter 7
CHILQUES.WP5	Screener and Questionnaire
CHILD_B.WP5	Appendix B
CHILD_C.WP5	Appendix C
CHILD_D.WP5	Appendix D
CHILD_E.WP5	Appendix E

NHES:93 School Readiness User's Manual Files (93READY)

SRTOC.WP5	Table of Contents
SR_CH1.WP5	Chapter 1
SR_CH2.WP5	Chapter 2
SR_CH3.WP5	Chapter 3
SR_CH4.WP5	Chapter 4
SR_CH5.WP5	Chapter 5
SR_CH6.WP5	Chapter 6
SR_CH7.WP5	Chapter 7
SRAPN_A.WP5	Screener and Questionnaire
SRAPNDS.WP5	Appendices B through D

NHES:93 School Safety and Discipline User's Manual Files (93SAFETY)

SSTOC.WP5	Table of Contents
SS_CH1.WP5	Chapter 1
SS_CH2.WP5	Chapter 2
SS_CH3.WP5	Chapter 3
SS_CH4.WP5	Chapter 4
SS_CH5.WP5	Chapter 5
SS_CH6.WP5	Chapter 6
SS_CH7.WP5	Chapter 7
SSAPN_A.WP5	Screener and Questionnaire
SSAPNXS.WP5	Appendices B through D

NHES:95 Adult Education User's Manual Files (95ADULT)

AEMANUAL.WP5	Table of Contents and all Chapters
AEQUES.WP5	Screeners and Questionnaire
AEAPPX.WP5	Appendices B, C, E, and F

NHES:95 Early Childhood Program Participation User's Manual Files (95ECPP)

ECPPMANL.WP5	Table of Contents and all Chapters
ECPPQUES.WP5	Screeners and Questionnaire
ECPPAPPX.WP5	Appendices B and C

NHES:96 User's Manual,Volumes 1-5 (96MANUAL)

VOLUME1.WP5	Table of Contents and Chapters 1-5
ALLQUES.WP5	Screener and Questionnaires
HHL_V2.WP5	Table of Contents and Chapters 6-7 for HH&L
VOL2APPX.WP5	Appendices B, C, and E for HH&L
PFICI_V3.WP5	Table of Contents and Chapters 6-7 for Parent PFI/CI
VOL3APPX.WP5	Appendices B, C, and E for PFI/CI
YTHCI_V4.WP5	Table of Contents and Chapters 6-7 for Youth CI
VOL4APPX.WP5	Appendices B, C, and E for Youth CI
ADLCI_V5.WP5	Table of Contents and Chapters 6-7 for Adult CI
VOL5APPX.WP5	Appendices B, C, and E for Adult CI

ECB Documentation (96ECBDOC)

ECBDOC.WP5	Electronic CodeBook User's Guide (this document)

Other Documentation (96GUIDE)

NHESGUID.WP5	A Guide to Using Data from the National Household Education Survey

NHES:91 and NHES:95 Adult Education Course Code Documentation Files (CRSMERGE)

CRSGUIDE.WP5	Data file documentation and codebooks
AECODMAN.WP5	Adult Education Course Coding Manual

Other Documentation (MUSTREAD)

AEREAD.WP5	Important information on the adult education component (also see appendix H of this document)

Appendix B: Directory Listing of the NHES:91/93/95/96 CD-ROM

The following represents a directory listing of the NHES:91/93/95/96 CD-ROM.

91ADULT	<DIR>	*Directory containing NHES:91 Adult Education User's Manual*
91CHILD	<DIR>	*Directory containing NHES:91 Early Childhood User's Manual*
93READY	<DIR>	*Directory containing NHES:93 School Readiness User's Manual*
93SAFETY	<DIR>	*Directory containing NHES:93 School Safety and Discipline User's Manual*
95ADULT	<DIR>	*Directory containing NHES:95 Adult Education User's Manual*
95ECPP	<DIR>	*Directory containing NHES:95 Early Childhood Program Participation User's Manual*
96ECBDOC	<DIR>	*Directory containing NHES:96 Electronic CodeBook User's Guide*
96GUIDE	<DIR>	*Directory containing a Guide to Using Data from the National Household Education Survey*
96MANUAL	<DIR>	*Directory containing NHES:96 User's Manual, Volumes 1-5*
CRSMERGE	<DIR>	*Directory containing data and documentation for the merge files containing course codes for the 1991 and 1995 Adult Education components*
MACPROGS	<DIR>	*Directory containing (ASCII) programs for each data set that will create SPSS for Windows system files containing all variables (e.g., for Macintosh users)*
MUSTREAD	<DIR>	*Directory containing information important to the Adult Education component*
BASEZIP.EXE		*Main menu program*
91ADULT.DAT		*1991 Adult Education data file (flat file)*
91ADULT.EXE		*Taglists and ECB for 1991 Adult Education data file*
95ADULT.DAT		*1995 Adult Education data file (flat file)*
95ADULT.EXE		*Taglists and ECB for 1995 Adult Education data file*
ADULTCI.DAT		*1996 Adult Civic Involvement data file (flat file)*
96ACIV.EXE		*Taglists and ECB for 1996 Adult Civic Involvement data file*
COURSE.DAT		*1991 Adult Education Course data file (flat file)*
91COURSE.EXE		*Taglists and ECB for 1991 Adult Education Course data file*
ECPP.DAT		*1995 Early Childhood Program Participation data file (flat file)*
95ECPP.EXE		*Taglists and ECB for 1995 Early Childhood Program Participation data file*
GETPCID.EXE*		*Program that checks disk space for installation*
HH&LIB.DAT		*1996 Household & Library data file (flat file)*
96HOUSE.EXE		*Taglists and ECB for 1996 Household & Library data file*
INPUT.EXE		*Utility program used during selective installation*
INSTALL.BAT		*ECB Installation program*
PRTPFICI.DAT		*1996 Parent and Family Involvement in Education and Civic Involvement data file (flat file)*
96PARI.EXE		*Taglists and ECB for 1996 Parent and Family Involvement in Education and Civic Involvement data file*

*This program is temporarily installed on the C:\ECB directory during installation and subsequently deleted from that directory.

PREPRIM.DAT	*1991 Preprimary data file (flat file)*
91PPRIM.EXE	*Taglists and ECB for 1991 Preprimary data file*
PRIMARY.DAT	*1991 Primary data file (flat file)*
91PRIME.EXE	*Taglists and ECB for 1991 Primary data file*
READINES.DAT	*1993 School Readiness data file (flat file)*
93REDIE.EXE	*Taglists and ECB for 1993 School Readiness data file*
SAFETY.DAT	*1993 School Safety and Discipline data file (flat file)*
93SAFEB.EXE	*Taglists and ECB for 1993 School Safety and Discipline (combined) data file*
93SAFEP.EXE	*Taglists and ECB for 1993 School Safety and Discipline (parent) data file*
93SAFEY.EXE	*Taglists and ECB for 1993 School Safety and Discipline (youth) data file*
YOUTHCI.DAT	*1996 Youth Civic Involvement data file (flat file)*
96YCIV.EXE	*Taglists and ECB for 1996 Youth Civic Involvement data file*

Appendix C: Predefined Taglists

Predefined taglists are provided for each of the NHES:91, NHES:93, NHES:95, and NHES:96 data sets. These taglists contain sets of variables that users may want to include in their analysis. Each predefined taglist is briefly described below, in alphabetical order within the catalog. Some taglists are similar in content, but not in specific variables, across catalogs. For example, the home activities items are somewhat different for Preprimary and Primary school children in the NHES:91. Similarly, the household characteristics that are collected may vary from one component or survey year to another. Please be aware that it is possible to print each of these taglists (see the section entitled The Tagged Variables Window, page 13).

NOTE: A required fields taglist (REQFLDS.DB) is provided for every catalog and is automatically included in the TAGGED window. If the user should untag any required variable, it will still automatically be included in the extraction code.

NHES:91 Adult Catalog

HOUSEHC.DB: This taglist contains household characteristics such as income, home ownership, Census region, urbanicity, and the number of persons living in the household.

LABORC.DB: This taglist contains variables associated with the adult's labor force participation status, such as their current employment status and methods used to look for work.

PARTICC.DB: This taglist contains items pertaining to participation in a range of educational activities, such as full- or part-time college degree programs, continuing education courses, basic skills courses, and English as a Second Language (ESL) instruction.

PERSONC.DB: This taglist contains characteristics of the sampled adult, such as gender, age, race, Hispanic origin, marital status, and educational attainment level.

PREVENTC.DB: This taglist contains items concerning factors that may have prevented an adult from taking part in educational activities, such as lack of transportation or child care.

REQFLDS.DB: This taglist contains the adult's identification number, sample weight, age, race, Hispanic origin, sex, and adult education participation status. These variables are permanently tagged for any extract.

WEIGHTC.DB: This taglist contains the sample weight, replicate weights, PSU, and stratum for variance estimation.

NHES:91 Courses Catalog

PERSONC.DB: This taglist contains characteristics of the sampled adult, such as gender, age, race, Hispanic origin, marital status, and educational attainment level.

REQFLDS.DB: This taglist contains the adult's identification number, the course identification number, the sample weight, the adult's age, race, Hispanic origin, and sex. These variables are permanently tagged for any extract.

NHES:91 Primary Catalog

CAREC.DB: This taglist contains variables associated with the child's participation in various types of child care arrangements prior to starting school.

COMMONC.DB: This taglist contains those items that are common to both the Preprimary and Primary catalogs.

DADC.DB: This taglist contains the characteristics of the child's father or male guardian, if he lives in the household. It includes variables such as his educational attainment level and labor force participation status.

HACTVC.DB: This taglist contains items concerning home activities including watching television, visiting a library, playing games or sports, and doing arts or crafts.

HOUSEHC.DB: This taglist contains household characteristics, such as income, home ownership, region, urbanicity, and the number of persons living in the household.

KINDC.DB: This taglist contains items about the child's participation in kindergarten including whether the program was for a full or part day, whether the child's enrollment was delayed and reasons for delayed kindergarten entry.

MOMC.DB: This taglist contains characteristics of the child's mother or female guardian, if she lives in the household. It includes variables such as her age at first becoming a mother, educational attainment level, and labor force participation status.

PERSONC.DB: This taglist contains characteristics of the sampled child, such as age, gender, race, Hispanic origin, and school enrollment status.

REPEATC.DB: This taglist contains items associated with repeating grades in school including variables that identify the actual grades repeated and reasons for repeating grades.

REQFLDS.DB: This taglist contains the child's identification number, sample weight, race, Hispanic origin, gender, age, and grade in school. These variables are permanently tagged for any extract.

SCHOOLC.DB: This taglist contains variables describing the characteristics of the school the child attends and his/her school experiences, including the number of times the child has changed schools, whether the school is public or private, and whether teachers have indicated the child has had behavior or schoolwork problems.

WEIGHTC.DB: This taglist contains the sample weight, replicate weights, PSU, and stratum for variance estimation.

NHES:91 Preprimary Catalog

CAREC.DB: This taglist contains variables associated with the child's participation in various types of child care arrangements.

COMMONC.DB: This taglist contains those items that are common to both the Preprimary and Primary catalogs.

DADC.DB: This taglist contains variables describing the characteristics of the child's father or male guardian, if he lives in the household. It includes variables such as his educational attainment level and labor force participation status.

DAYCARC.DB: This taglist contains variables associated with the child's participation in a day care center, such as the number of days and hours per week the child attends, whether the program attended is for a full or part day, and the number of adults and children in the child's room or group.

HACTVC.DB: This taglist contains items concerning home activities, including reading, watching television, visiting libraries, and playing games or sports.

HOUSEHC.DB: This taglist contains household characteristics, such as income, home ownership, region, urbanicity, and the number of persons living in the household.

KINDERC.DB: This taglist contains items about the child's participation in kindergarten including whether entry into kindergarten was delayed and reasons for delayed entry, whether the kindergarten was public or private, and whether the child has repeated kindergarten and reasons for repeating.

MOMC.DB: This taglist contains variables describing the characteristics of the child's mother or female guardian, if she lives in the household. It includes variables such as her age at first becoming a mother, educational attainment level, and labor force participation status.

PERSONC.DB: This taglist contains characteristics of the sampled child, such as age, gender, race, Hispanic origin, school enrollment status and grade in school, birth weight, and disability status.

PRKNURSC.DB: This taglist contains items related to the child's participation in prekindergarten or nursery school programs including the number of days and hours per week the child attended, whether the program was full or part day, and the number of adults and children in the same room or group.

REQFLDS.DB: This taglist contains the child's identification number, the sample weight, race, Hispanic origin, gender, and age. These variables are permanently tagged for any extract.

WEIGHTC.DB: This taglist contains the sample weight, replicate weights, PSU, and stratum for variance estimation.

NHES:93 School Readiness Catalog

ACTIV.DB: This taglist contains items associated with home activities including reading, watching television, doing arts or crafts, playing games, and doing chores.

ADJUST.DB: This taglist contains items associated with the child's adjustment to school such as whether the child has complained about school and teacher reports of the child's behavior.

CENTERS.DB: This taglist contains items associated with participation in center-based programs including the age at first attendance, the number of days and hours per week the child attended, whether the program was for a full or part day, and the number of adults and children in the same room or group.

DEVELOP.DB: This taglist contains items concerning the developmental accomplishments and difficulties of preschoolers such as the ability to identify letters of the alphabet, to count, to hold a pencil; and whether the child has tantrums, fidgets, or stutters.

HOUSEHC.DB: This taglist contains household characteristics such as income, home ownership, region, and the number of persons living in the household.

KINDER.DB: This taglist contains items associated with kindergarten enrollment including the child's age at kindergarten entry, whether the kindergarten was public or private, whether the program was for a full or part day, and whether the child had repeated kindergarten.

PARENTS.DB: This taglist contains the characteristics of the child's parents who live in the household including their educational attainment level, labor force participation status, and language spoken most at home.

PERSONC.DB: This taglist contains characteristics of the sampled child, such as age, gender, race, and Hispanic origin.

REQFLDS.DB: This taglist contains the child's identification number, the sample weight, interview completion status, age, sex, race, and Hispanic origin. These variables are permanently tagged for any extract.

SCHOOL.DB: This taglist contains items associated with the child's school and school experiences including whether the school was public or private, the child's class standing, whether the child has repeated any grades, and whether the child has received special help with reading or math.

WEIGHTS.DB: This taglist contains the sample weight, replicate weights, PSU, and stratum for variance estimation.

NHES:93 School Safety and Discipline: Parent Catalog, Youth Catalog, Combined Catalog

CHILD.DB: This taglist contains items about the subject youth's experiences at school, including participation in activities, suspension, expulsion, and days of school missed.

DISCIPLN.DB: This taglist contains items pertaining to the youth's perception of the disciplinary environment at school, including consistency and fairness.

ENVIRON.DB: This taglist contains items pertaining to the learning environment in the school, including enjoyment of school and being challenged at school.

HHCHARS.DB: This taglist contains household characteristics such as income, home ownership, region, and the number of persons living in the household.

INCIDNTS.DB: This taglist contains items pertaining to incidents of theft, assault, and other occurrences at school.

PARENTS.DB This taglist contains the characteristics of the youth's parents who live in the household such as their educational attainment level and labor force participation status.

PERSONC.DB: This taglist contains characteristics of the sampled child, such as age, gender, race, Hispanic origin, school enrollment status and grade in school.

REQFLDS.DB: This taglist contains the child's identification number, sex, race, Hispanic origin, grade in school, and sample weight. These variables are permanently tagged for any extract.

SCHOOL.DB: This taglist contains items associated with the youth's school and school experiences including the number of students at the school, the racial composition of the school, and the lowest and highest grade in the school.

STRATEGY.DB: This taglist contains items about strategies used to avoid harm at school such as taking a special route to school, skipping school, and avoiding school events.

SUBSTNCE.DB: This taglist contains items about tobacco, alcohol, and other drugs such as friends' attitudes toward these substances and the availability of these substances.

WEIGHTS.DB: This taglist contains the sample weight, replicate weights, PSU, and stratum for variance estimation.

NHES:95 Adult Education Catalog

ACTYC.DB: This taglist includes variables pertaining to other formal structured courses, such as the number of weeks and hours per week spent in courses, and the total expense of all courses of this type.

CREDC.DB: This taglist includes variables pertaining to credential program courses, such as the number of courses taken and whether courses were employer supported.

HOUSEHC.DB: This taglist includes household characteristics such as income, receipt of public assistance, home ownership, the number of household members, region of the country, and some characteristics of the ZIP Code area in which the household is located.

LABORC.DB: This taglist contains variables describing the adult's employment status, such as the number of employers in the past 12 months, current employment status, and methods of looking for work.

PARTICC.DB: This taglist contains variables describing the participation status of the adult in adult education, including variables indicating participation in each type of adult education and participation in at least one type of adult education, excluding full-time credential courses.

PERSONC.DB: This taglist contains variables describing the adult's characteristics, such as years of school completed, language spoken at home, marital status, and military service.

REQFLDS.DB: This taglist includes variables required for most analyses, such as the adult's identification number, age, and sex. These variables are permanently tagged for any extract.

WEIGHTS.DB: This taglist contains the final adult weight, replicate weights, PSU, and stratum for variance estimation.

WORKC.DB: This taglist includes variables pertaining to career- or job-related courses, such as the number of weeks and hours per week spent in courses and whether courses were employer supported.

NHES:95 ECPP Catalog

CHLDCARE.DB: This taglist includes variables that describe the child's participation in nonparental care and early childhood programs, including those that indicate participation in relative and nonrelative arrangements, and in Head Start and other center-based programs.

FAMILY.DB: This taglist contains variables to describe the child's family such as the number and type of parents in the household, the number of siblings in the household, and the relationships of all household members to the child.

HOUSEHC.DB: This taglist consists of variables describing household characteristics such as income, receipt of public assistance, home ownership, the number of household members, region of the country, and some characteristics of the ZIP Code area in which the household is located.

KINDER.DB: This taglist includes variables describing the child's experiences in kindergarten including age at kindergarten entry, whether entry was delayed, type of school control (e.g., public or private), and whether the program was full- or part-day.

PARENTS.DB: This taglist includes characteristics of parents who live in the child's household such as the language first learned or spoken most at home, country of origin, educational attainment, and employment status.

PRIMARY.DB: This taglist contains variables describing the child's experiences in primary school such as the type of school control (e.g., public or private), type of yearly school schedule (e.g., August to May or year-round), class standing, reported problems with behavior and schoolwork, and grade repetition.

REQFLDS.DB: This taglist includes variables required for most analyses, such as the child's identification number, age, and sex. These variables are permanently tagged for any extract.

WEIGHTS.DB: This taglist includes the final child weight as well as replicate weights, PSU, and stratum for variance estimation.

NHES:96 Household & Library Catalog

HHCHAR.DB: This taglist contains household characteristics. These include whether all households members were born in the United States, whether all household members learned English as their first language, whether the household is owned or rented, the type of community, receipt of public assistance, and household income.

LIBQUES.DB: This taglist contains the items on public library use by household members. The measures include distance from the home to the nearest public library, ways of using library services in the previous month, whether household members used library services in the previous year, and purposes of library use in the previous month.

PERSDEMO.DB: This taglist contains demographic characteristics of each person in the household. The characteristics included in this taglist are age, sex, race and Hispanic origin, place of birth, marital status (for persons age 16 and older), and first language (for persons age 3 and older).

PERSEDUC.DB: This taglist contains selected educational variables for each person in the household. The measures included are current enrollment (for persons age 3 and older), whether home schooled (ages 3 to 17), current grade or grade equivalent, public or private school enrollment, full-time or part-time enrollment, highest grade completed, and whether the person has a high school diploma.

REQFLDS.DB: This taglist includes variables required for most analyses, such as household income, the state where the household is located, whether household members used library services, the number of people in the household, and the full sample weight. This taglist insures that the ID number and the full sample weight are included in any extract file from this data set.

WEIGHT.DB: This taglist contains the full sample weight, replicate weights, PSU, and stratum for the household record.

NHES:96 Parent and Family Involvement in Education and Civic Involvement Catalog

ACTIV.DB: This taglist contains items associated with home activities with a family member, including reading, rules about the amount of time and types of television programs the child is allowed to watch, doing arts or crafts, playing games, and doing chores, the child's activities outside of the home, and family rules.

CIVIC.DB: This taglist contains variables for civic involvement including attitudes about and skills related to civic life, community or civic participation of the parent(s) and other adults in the household, and variables measuring knowledge about government.

FAMINV.DB: This taglist includes items associated with family/school involvement and school practices such as attending general school meetings, attending a PTA meeting, and volunteering at school. It also contains variables related to family involvement in schoolwork.

GOVTKNOW.DB: This taglist contains variables measuring knowledge about government.

HOUSEHC.DB: This taglist includes household characteristics such as income, home ownership, number of household members and selected characteristics of household members, receipt of public assistance, and region of the country and size of community in which the household is located.

NATLNEWS.DB: This taglist contains variables related to learning about national issues.

NONRPRNT.DB: This taglist contains variables related to the nonresidential parent(s).

PARENTS.DB This taglist contains variables describing the child's parents who live in the household, including family composition, educational attainment level, and labor force participation.

PERSONC.DB: This taglist contains the child's household-member person number and characteristics of the child such as age, sex, race, and grade.

REQFLDS.DB: This taglist includes variables required for most analyses, such as the interview ID number, subject ID number, and the household ID number, as well as age, sex, and race of the child and the sample weight.

SCHOOL.DB: This taglist describes the child's school including number of students, highest and lowest grade, and school environment.

WEIGHTS.DB: This taglist contains the sample weight, replicate weights, PSU, and stratum for variance estimation.

NHES:96 Youth Civic Involvement Catalog

ATTSSKLS.DB: This taglist contains variables for attitudes about and skills related to civic life.

COMMSVC.DB: This taglist contains variables related to the youth's community or civic participation.

GOVTKNOW.DB: This taglist contains variables measuring knowledge about government.

HOUSEHC.DB: This taglist includes household characteristics such as income, home ownership, number of household members and selected characteristics of household members, and region of the country and size of community in which the household is located.

NATLNEWS.DB: This taglist contains variables related to learning about national issues.

PARENTS.DB: This taglist contains variables describing the youth's parents who live in the household, educational attainment level, and labor force participation.

PERSONC.DB: This taglist contains the youth's household-member person number and characteristics of the youth such as age, sex, race, and grade.

REQFLDS.DB: This taglist includes variables required for most analyses, such as the interview ID number, subject ID number, and the household ID number, as well as age, sex, and race of the youth and the sample weight. These variables are permanently tagged for any extraction.

SCHOOL.DB: This taglist describes the youth's school including number of students, highest and lowest grade, and school environment.

WEIGHTS.DB: This taglist contains the sample weight, replicate weights, PSU, and stratum for variance estimation.

NHES:96 Adult Civic Involvement Catalog

ATTSSKLS.DB: This taglist contains variables for attitudes about and skills related to civic life.

GOVTKNOW.DB: This taglist contains variables measuring knowledge about government.

HOUSEHC.DB: This taglist includes household characteristics such as income, home ownership, number of household members and selected characteristics of household members, and region of the country and size of community in which the household is located.

IMPRVEDU.DB: This taglist contains variables measuring beliefs about selected actions that might improve public education.

INFORMTN.DB: This taglist contains variables related to the manner and frequency of receipt of public information.

LABORFC.DB This taglist contains variables describing labor force participation, including current employment status and methods of looking for work.

PARTICPN:DB This taglist contains variables related to the adult's community or civic participation.

PERSONC.DB: This taglist contains the adult's household-member person number and characteristics of the adult such as age, sex, race, school enrollment and grade, highest level of education, information about place of birth and language, and marital and parental statuses.

REQFLDS.DB: This taglist includes variables required for most analyses, such as the interview ID number and the household ID number, age, sex, and race of the adult, and the sample weight. These variables are permanently tagged for any extraction.

WEIGHTS.DB: This taglist contains the sample weight, replicate weights, PSU, and stratum for variance estimation.

Appendix D: Menu Descriptions

Utilities Menu

Choice	Function
Setup	Set data directory (.DAT files, usually CD/ROM drive), program directory (ECB program files), and working directory (temporary files and user files, extracts, etc.)
Catalog	Select active Catalog (91:Adult; 91:Adult - Courses; 91:Child - Primary; 91:Child - PrePrimary; 93:School Readiness; 93:School Safety and Discipline (Youth); 93:School Safety and Discipline (Parent); 93:School Safety and Discipline (Combined); 95:Adult Education; 95:Early Childhood Program Participation (ECPP); 96:Household & Library; 96:Parent and Family Involvement in Education and Civic Involvement; 96:Youth Civic Involvement; 96:Adult Civic Involvement.

TagList Menu

Choice	Function
Add	Add a predefined TagList to the current TagList in the Tagged Variables Window.
Replace	Replace the current TagList in the Tagged Variables Window with a predefined TagList.
Save	Save the current TagList in the Tagged Variables Window so that it can be retrieved at a later time.
Print	Print the current TagList in the Tagged Variables Window to your local printer.

Show Menu

Choice	Function
Variable List	Show the Variable List Window for the active catalog.
Tagged Variables	Show the Tagged Variables Window for the active catalog.

Varlist Menu

Choice	Function
Expand	Expand the Variable List Window by adding variables whose name or label contains a keyword you specify. Matches are sought in the full variable list for the active catalog and added to the variables in the current Variable List Window.
Narrow	Narrow the Variable List Window to include only those variables that contain a keyword you specify in either the variable name or label. Matches are only sought among variables in the current Variable List Window.
Reset	Reset the Variable List Window so that it contains ALL variables for the active catalog.

Extract Menu

Choice	Function
SAS Code	Generate the SAS program file necessary to extract selected data from the .DAT file (usually on a CD/ROM) into a SAS data set. This menu option allows you to specify an extract population, and an extract file name.
SPSS/DOS Code	Same as SAS above, but creates a SPSS for DOS program file to create a SPSS for DOS data file.
SPSS/Win Code	Same as SAS above, but creates SPSS for Windows program file to create a SPSS for Windows data file.

Windows Menu

Choice	Function
Resize/move	Resize the active window or move it to a new location on the screen.
Zoom	If active window is not full size, zooms active window to full size. If active window is full size, resizes window to its previous size.
Next	Makes the least recently active window the active window.
Close	Closes the active window.
Tile	Tiles all windows, so each window gets a small rectangle portion of the screen (a tile).
Cascade	Cascades all windows, laying one on top of the other so that only the edges of the window below are visible. Active window is placed on top.

Help Menu

Choice	Function
Index	Displays an index of topics for which Help is available.
About	Displays information about the ECB program.

Quit Menu

Choice	Function
Yes	Quit the ECB program.
No	Do not quit the ECB program.

Appendix E: Quick Start--Sample ECB Session

This is an example of a typical session an analyst might have using the NHES:91/93/95/96 ECB. Suppose an analyst wants to create a file of variables associated with kindergarten attendance for black children in primary school in 1991. The actions of the analyst are shown below in italics. It is assumed that the analyst has entered the ECB from the C: drive.

Press **<Enter>** *for the 91: Child-Primary catalog in the Catalog Selection box at Catalog Selection window.*

The Variable List Window and the Tagged Window appear on the screen.

The analyst decides to add the variables from the predefined TagList called KINDC.DB, since it already contains a number of variables associated with kindergarten.

Press **<Alt><T>** *to highlight the TagList menu choice, and* **"A"** *to select the ADD option, or, using a mouse, click on the TagList menu followed by the ADD option.*

A list of existing TagLists in the Primary subdirectory is displayed.

Type KINDC.DB in the box or click on the KINDC.DB item and press **<Enter>**.

By scrolling through the current Tagged Variables Window, it is clear that it now contains all of the previously tagged variables plus those in the KINDC predefined TagList.

To be sure that all needed variables are included, the analyst decides to search for other variables that might be pertinent to kindergarten.

Press **<Alt><V>** *to highlight the VarList menu, or click on it with a mouse. Then select the NARROW option.*

Type the string KINDERG into the box and press **<Enter>**.

The ECB now searches all variable names and labels for the string KINDERG. By looking at the Variable List Window, the analyst sees that there are now only nine variables listed, all associated with kindergarten. Note that the new variable list does not affect the variables that are tagged.

Only one variable in the Variable List Window is not tagged. It is called REPTKIND. The label for this variable contains the KINDERG string that was used in the search. To decide whether or not to tag this variable, the analyst decides to look at the CodeBook for the variable.

Highlight the REPTKIND variable in the Variable List Window.

Double click on the variable or press **<Enter>**.

The item, response categories, and frequencies are displayed. The analyst decides not to tag this variable and closes the CodeBook window.

Press **<Alt> <F3>** *or click on the close box.*

The analyst realizes that the search may have been too restrictive and decides to look at other variables that might be needed for the extract file.

Select the VarList menu and then select the EXPAND option.

Type the string KINDER into the box and press **<Enter>**.

Now, the analyst sees one more variable in the Variable List Window. This is the CHNGYES variable that contains the string KINDER in the label. After looking at the CodeBook description of CHNGYES, the analyst decides to tag this variable.

Highlight the CHNGYES variable in the Variable List Window.

Press **T** *or the spacebar to tag the highlighted variable.*

The CHNGYES variable is now tagged, as clearly shown in both the Variable List Window and the Tagged Variables Window.

The analyst decides that this set of variables will compose the extract file. Since this set of variables may be needed in future analyses, the current list of variables in the Tagged Variables Window can be saved to a user-defined file called MYLIST in the Primary subdirectory, as described below.

Select the TagList menu and then select the SAVE option.

Type the new name MYLIST into the box and press **<Enter>.**

The final activity is to write the SAS statements to extract the currently tagged variables and extract only black children. As the instructions below indicate, the SAS program statements will be named MYEXAMPL.SAS and saved in a Work subdirectory.

Press **<Alt>** **<E>** *or use the mouse to click on the Extract menu and then select the SAS option. Using a mouse, click on the Race setting. Click or press the space bar on each Race variable until only Black is checked and press* **<Enter>**.

Type the new name MYEXAMPL into the box and press **<Enter>**.

The SAS program statements have now been written and saved. Now, the analyst can quit the ECB and run SAS using the program statements in MYEXAMPL.SAS to extract a subset file from the Primary File on the CD. Any of the SAS statements in the program can be easily revised by the analyst, if changes are desired.

To quit the ECB, select the Quit menu and then select the YES option.

Appendix F: SAS and SPSS Extract Program Examples

This appendix presents examples of SAS, SPSS for DOS, and SPSS for Windows programs that each create a subfile from the NHES:91 Preprimary file. Suppose that an analyst is interested in developing a model that predicts levels of in-home and out-of-home activities that parents do with their 3- to 5-year-old preprimary children, using sociodemographic risk factors as independent variables. In the program shown below, generated by the NHES Electronic CodeBook (ECB), predefined taglists of variables, including home activities, mother's characteristics, father's characteristics, and household characteristics, were included in an extract data file. The analyst can then use these variables to create composite measures of risk and test the models indicated by his/her research hypotheses.

In the programs below, notes have been inserted on the right to explain sections of program code. Code that is underlined indicates code that data users will probably want to (or need to) modify to suit their purposes.

Example 1. SAS Program Example

```
/*
 * C:\ECB\WORK\GUIDE.SAS
 *
 * SAS program to create extract file
 */

PROC FORMAT /* LIBRARY=library */ ;          FORMAT STATEMENTS FOR SELECTED VARIABLES
    VALUE  YESNO
          -1 = 'INAPPLICABLE'
          -7 = 'REFUSED'
          -8 = 'DK'
          -9 = 'NOT ASCERTAINED'
           1 = 'YES'
           2 = 'NO'
;
    VALUE  RACE
          -1 = 'INAPPLICABLE'
          -7 = 'REFUSED'
          -8 = 'DK'
          -9 = 'NOT ASCERTAINED'
           1 = 'WHITE'
           2 = 'BLACK'
           3 = 'NATIVE AMERICAN OR ALASKAN NATIVE'
           4 = 'ASIAN OR PACIFIC ISLANDER'
          91 = 'SOME OTHER RACE'
;
    VALUE  $SEXP
         '-1' = 'INAPPLICABLE'
         '-7' = 'REFUSED'
         '-8' = 'DK'
         '-9' = 'NOT ASCERTAINED'
         'F ' = 'FEMALE'
         'M ' = 'MALE'
;
    VALUE  NUMBERS
          -1 = 'INAPPLICABLE'
          -7 = 'REFUSED'
          -8 = 'DK'
          -9 = 'NOT ASCERTAINED'
           0 = 'BLANKS ALLOWED'
       2 - 15 = 'NUMBER OF PEOPLE'
;
    VALUE  HOMETYPE
          -1 = 'INAPPLICABLE'
          -7 = 'REFUSED'
          -8 = 'DK'
          -9 = 'NOT ASCERTAINED'
           0 = 'BLANKS ALLOWED'
           1 = 'SINGLE FAMILY HOUSE OR TOWNHOUSE'
           2 = 'APARTMENT'
           3 = 'SOME OTHER TYPE OF HOME'
;
```

```
VALUE  OWNHOME
       -1 = 'INAPPLICABLE'
       -7 = 'REFUSED'
       -8 = 'DK'
       -9 = 'NOT ASCERTAINED'
        0 = 'BLANKS ALLOWED'
        1 = 'OWN YOUR HOME'
        2 = 'RENT YOUR HOME'
        3 = 'HAVE SOME OTHER ARRANGEMENT'
;
VALUE  INCOMRNG
       -1 = 'INAPPLICABLE'
       -7 = 'REFUSED'
       -8 = 'DK'
       -9 = 'NOT ASCERTAINED'
        0 = 'BLANKS ALLOWED'
        1 = '$5,000 OR LESS'
       10 = 'OVER $75,000'
        2 = '$5,001 TO $10,000'
        3 = '$10,001 TO $15,000'
        4 = '$15,001 TO $20,000'
        5 = '$20,001 TO $25,000'
        6 = '$25,001 TO $30,000'
        7 = '$30,001 TO $40,000'
        8 = '$40,001 TO $50,000'
        9 = '$50,001 TO $75,000'
;
VALUE  FREQUENT
       -1 = 'INAPPLICABLE'
       -7 = 'REFUSED'
       -8 = 'DK'
       -9 = 'NOT ASCERTAINED'
        1 = 'NEVER'
        2 = 'SEVERAL TIMES A YEAR'
        3 = 'SEVERAL TIMES A MONTH'
        4 = 'AT LEAST THREE TIMES A WEEK'
        5 = 'EVERY DAY'
;
VALUE  NUMBER
       -1 = 'INAPPLICABLE'
       -7 = 'REFUSED'
       -8 = 'DK'
       -9 = 'NOT ASCERTAINED'
        1 = 'NONE'
        2 = '1 OR 2 BOOKS'
        3 = '3 TO 9 BOOKS'
        4 = '10 OR MORE BOOKS'
;
VALUE  TVHOURS
       -1 = 'INAPPLICABLE'
       -7 = 'REFUSED'
       -8 = 'DK'
       -9 = 'NOT ASCERTAINED'
  0 - 15 = 'HOURS PER DAY WATCHING TV/VIDEOS'
       95 = 'DO NOT HAVE A TV'
       96 = 'LESS THAN ONE HOUR PER DAY'
;
VALUE  RULEFAM
       -1 = 'INAPPLICABLE'
       -7 = 'REFUSED'
       -8 = 'DK'
       -9 = 'NOT ASCERTAINED'
        1 = 'FAMILY RULE'
        2 = 'NOT INTERESTED'
       95 = "DON'T HAVE TELEVISION"
;
VALUE  TIMES
       -1 = 'INAPPLICABLE'
       -7 = 'REFUSED'
       -8 = 'DK'
       -9 = 'NOT ASCERTAINED'
        1 = '1-2 TIMES'
        2 = '3+ TIMES'
;
VALUE  MOMAGE
       -1 = 'INAPPLICABLE'
       -7 = 'REFUSED'
       -8 = 'DK'
       -9 = 'NOT ASCERTAINED'
 16 - 71 = 'MOTHER OR FEMALE GUARDIAN AGE'
;
```

```
VALUE  NEWMOM
      -1 = 'INAPPLICABLE'
      -7 = 'REFUSED'
      -8 = 'DK'
      -9 = 'NOT ASCERTAINED'
 12 - 68 = 'AGE WHEN FIRST BECAME MOM'
;
VALUE  LANGUAGE
      -1 = 'INAPPLICABLE'
      -7 = 'REFUSED'
      -8 = 'DK'
      -9 = 'NOT ASCERTAINED'
       1 = 'ENGLISH'
       2 = 'SPANISH'
       3 = 'ASIAN LANGUAGE'
      91 = 'OTHER LANGUAGE'
;
VALUE  MOMSPEAK
      -1 = 'INAPPLICABLE'
      -7 = 'REFUSED'
      -8 = 'DK'
      -9 = 'NOT ASCERTAINED'
       1 = 'ENGLISH'
       2 = 'SPANISH'
       3 = 'ASIAN LANGUAGE'
       4 = 'OTHER LANGUAGE'
;
VALUE  HIGHGRAD
      -1 = 'INAPPLICABLE'
      -7 = 'REFUSED'
      -8 = 'DK'
      -9 = 'NOT ASCERTAINED'
       1 = 'UP TO EIGHTH GRADE'
       2 = 'NINTH TO ELEVENTH GRADE'
       3 = 'HIGH SCHOOL DIPLOMA OR EQUIVALENT'
       4 = 'VOCATIONAL/TECHNICAL AFTER HIGH SCHOOL'
       5 = '1-2 YEARS OF COLLEGE'
       6 = "ASSOCIATE'S DEGREE"
       7 = '3-4 YEARS OF COLLEGE'
       8 = "BACHELOR'S DEGREE"
       9 = 'GRADUATE OR PROFESSIONAL SCHOOL'
;
VALUE  MOMHRS1X
      -1 = 'INAPPLICABLE'
      -7 = 'REFUSED'
      -8 = 'DK'
      -9 = 'NOT ASCERTAINED'
  0 - 99 = 'HOURS WORKED BY PARENT'
;
VALUE  ACTIVITY
      -1 = 'INAPPLICABLE'
      -7 = 'REFUSED'
      -8 = 'DK'
      -9 = 'NOT ASCERTAINED'
       1 = 'KEEPING HOUSE/CARING FOR CHILDREN'
       2 = 'GOING TO SCHOOL'
       3 = 'RETIRED'
       4 = 'UNABLE TO WORK'
      91 = 'OTHER (SPECIFY)'
;
VALUE  AGE90X
      -1 = 'INAPPLICABLE'
;
VALUE  $ALLGRAD
    ' ' = 'NA/MISSING'
   '0 ' = 'NOT ENROLLED'
   '1 ' = 'FIRST GRADE/EQUIV'
   '2 ' = 'SECOND GRADE/EQUIV'
   '3 ' = 'THIRD GRADE/EQUIV'
   '4 ' = 'FOURTH GRADE/EQUIV'
   '5 ' = 'FIFTH GRADE/EQUIV'
   '6 ' = 'UNGRADED & NO EQUIV'
   'K ' = 'KINDERGARTEN'
   'N ' = 'NURSERY,PREK, HDST'
   'P ' = 'PRE-FIRST/TRANS 1ST'
   'T ' = 'TRANS KINDERGARTN'
;
```


BEST COPY AVAILABLE

```
VALUE  CENSUSDV
      -1 = 'INAPPLICABLE'
       1 = 'NEW ENGLAND'
       2 = 'MIDDLE ATLANTIC'
       3 = 'EAST NORTH CENTRAL'
       4 = 'WEST NORTH CENTRAL'
       5 = 'SOUTH ATLANTIC'
       6 = 'EAST SOUTH CENTRAL'
       7 = 'WEST SOUTH CENTRAL'
       8 = 'MOUNTAIN'
       9 = 'PACIFIC'
;
VALUE  CENSUSRG
      -1 = 'INAPPLICABLE'
       1 = 'NORTHEAST'
       2 = 'MIDWEST'
       3 = 'SOUTH'
       4 = 'WEST'
;
VALUE  DADEMPLD
       . = 'NA/MISSING'
       1 = '=> 35 HRS P/WEEK'
       2 = '< 35 HRS P/WEEK'
       3 = 'HRS N/SPECIFIED'
       4 = 'LOOKING F/WORK'
       5 = 'N/IN LABOR FORCE'
;
VALUE  DADLABOR
       . = 'NA/MISSING'
       1 = 'EMP-IN LBR FORCE'
       2 = 'UNEMP-IN LBR FORCE'
       3 = 'KEEP HOUS/CHILD CARE'
       4 = 'GOING TO SCHOOL'
       5 = 'RETIRED/UNABLE WORK'
       6 = 'OTHER'
;
VALUE  FAMTYPE
       . = 'NA/MISSING'
       1 = '1 PARENT IN HH'
       2 = '2 PARENTS IN HH'
       3 = '3 NO PARENTS IN HH'
;
VALUE  MOMEMPLD
       . = 'NA/MISSING'
       1 = '=> 35 HRS P/WEEK'
       2 = '< 35 HRS P/WEEK'
       3 = 'HRS N/SPECIFIED'
       4 = 'LOOKING F/WORK'
       5 = 'N/IN LABOR FORCE'
;
VALUE  MOMLABOR
       . = 'NA/MISSING'
       1 = 'EMP-IN LBR FORCE'
       2 = 'UNEMP-IN LBR FORCE'
       3 = 'KEEP HOUS/CHILD CARE'
       4 = 'GOING TO SCHOOL'
       5 = 'RETIRED/UNABLE WORK'
       6 = 'OTHER'
;
VALUE  PARGRADE
       . = 'NA/MISSING'
       1 = 'LESS THAN H/S'
       2 = 'H/S GRAD/EQUIVALENT'
       3 = 'VOC/TECH/SOME COLL'
       4 = 'COLLEGE GRADUATE'
       5 = 'GRADUATE/PROF SCHOOL'
       9 = 'NEITHER PARENT IN HH'
;
VALUE  PARNTCOL
       . = 'NA/MISSING'
       1 = 'SINGLE/BOTH <COL'
       2 = '1 <COL, 1 COL DEG'
       3 = 'SINGLE/BOTH COL DEG'
;
VALUE  PARNTHS
       . = 'NA/MISSING'
       1 = 'SINGLE/BOTH <H/S'
       2 = '1 <H/S, 1 H/S DEG'
       3 = 'SINGLE/BOTH H/S DEG'
;
```

```
    VALUE  REGIONED
          -1 = 'INAPPLICABLE'
          -9 = 'NOT ASCERTAINED'
           1 = 'NORTHEAST'
           2 = 'CENTRAL'
           3 = 'SOUTHEAST'
           4 = 'WEST'
;
    VALUE  TEENMOM
           . = 'NA/MISSING'
           1 = '17 OR YOUNGER'
           2 = 'AGE 18 OR 19'
           3 = 'AGE 20 OR OLDER'
;
    VALUE  URBAN
          -1 = 'INAPPLICABLE'
          -9 = 'NOT ASCERTAINED'
           0 = 'NON'
           1 = 'MSA'
           2 = 'NECMA'
    ;
Run;
FILENAME datfile 'D:\PREPRIM.DAT';
LIBNAME  workdir 'C:\ECB\WORK\';

DATA workdir.EXTRACT;
   INFILE datfile LRECL=636  N=2 ;
   INPUT
  #1
      @1      PERSID          $9.
      @10     HISPANIC         2.
      @12     RACE             2.
      @16     GENDER          $2.
      @18     NUMPERS          2.
      @20     HOMETYPE         2.
      @22     OWNHOME          2.
      @24     INCOMRNG         2.
      @386    READTO           2.
      @388    NUMBOOKS         2.
      @390    NEWSPAPR         2.
      @392    TVHOURS          2.
      @394    RULEWHAT         2.
      @396    RULETIME         2.
      @398    RULEHRS          2.
      @400    RULEDAYS         2.
      @402    RULEFAM          2.
      @404    WKREAD           2.
      @406    WKREADN          2.
      @408    WKWORDS          2.
      @410    WKWORDSN         2.
      @412    WKMUSIC          2.
      @414    WKMUSICN         2.
      @416    WKSTORY          2.
      @418    WKSTORYN         2.
      @420    WKSANG           2.
      @422    WKSANGN          2.
      @424    WKCRAFT          2.
      @426    WKCRAFTN         2.
      @428    WKPLAY           2.
      @430    WKPLAYN          2.
      @432    WKEDTV           2.
      @434    WKEDTVN          2.
      @436    LIBRAYMO         2.
      @438    LIBRAYYR         2.
      @440    MOVIEMO          2.
      @442    MOVIEYR          2.
      @444    CONCRTMO         2.
      @446    CONCRTYR         2.
      @448    MUSEUMMO         2.
      @450    MUSEUMYR         2.
      @452    ZOOMO            2.
      @454    ZOOYR            2.
      @456    PARKMO           2.
      @458    PARKYR           2.
      @468    MOMAGE           2.
      @470    NEWMOM           2.
      @472    MOMLANG          2.
      @474    MOMSPEAK         2.
      @476    MOMGRADE         2.
      @478    MOMDIPL          2.
      @480    MOMWORK          2.
      @482    MOMLEAVE         2.
      @484    MOMHOURS         2.
      @486    MOMLOOK          2.
      @488    MOMPUBL          2.
```

CD DRIVE D: IS THE DEFAULT

ASSIGN NAME OF ANALYSIS FILE (DEFAULT IS "EXTRACT")

DATA LOCATION ON RAW DATA FILE

```
    @490    MOMPRIV          2.
    @492    MOMEMPL          2.
    @494    MOMREL           2.
    @496    MOMADS           2.
    @498    MOMNOTH          2.
    @500    MOMOTHR          2.
    @502    MOMACTY          2.
    @504    DADGRADE         2.
    @506    DADDIPL          2.
    @508    DADWORK          2.
    @510    DADLEAVE         2.
    @512    DADHOURS         2.
    @514    DADLOOK          2.
    @516    DADPUBL          2.
    @518    DADPRIV          2.
    @520    DADEMPL          2.
    @522    DADREL           2.
    @524    DADADS           2.
    @526    DADNOTH          2.
    @528    DADOTHR          2.
    @530    DADACTY          2.
    @532    AGE90            2.
    @538    ALLGRADE        $2.
    @542    CENSUSDV         2.
    @544    CENSUSRG         2.
    @546    DADEMPLD         2.
    @548    DADLABOR         2.
    @556    FAMTYPE          2.
    @563    MOMEMPLD         2.
    @565    MOMLABOR         2.
    @567    PARGRADE         2.
    @569    PARNTCOL         2.
    @571    PARNTHS          2.
    @583    REGION           2.
    @587    TEENMOM          2.
    @591    URBAN            2.
#2
    @11     EWGT           10.3
    ;
```

LABELS FOR SELECTED VARIABLES

```
LABEL
    PERSID    = "PERS KEY = BASEID || 2-DIGIT PERSNUM"
    HISPANIC  = "S5/S10C/S11 HISPANIC ETHNICITY"
    RACE      = "S5/S10B/S11 PERSON'S RACE"
    GENDER    = "S5 PERSON'S GENDER"
    NUMPERS   = "S17 TOTAL NUMBER OF PEOPLE LIVING IN HH"
    HOMETYPE  = "S19 TYPE OF HOME"
    OWNHOME   = "S20 OWN HOME"
    INCOMRNG  = "S22A TOTAL HOUSEHOLD INCOME - RANGE"
    READTO    = "P19/E36 HOW OFTEN READ TO CHILD"
    NUMBOOKS  = "P20/E35 HOW MANY KIDS BOOKS CHILD HAVE"
    NEWSPAPR  = "P21/E38 DOES FAMILY GET DAILY NEWSPAPER"
    TVHOURS   = "P22/E40 HOURS PER DAY WATCHING TV/VIDEO"
    RULEWHAT  = "P23/E41 ANY RULES ABOUT WHAT PROGRAMS"
    RULETIME  = "P23/E41 ANY RULES ABOUT HOW EARLY/LATE"
    RULEHRS   = "P23/E41 ANY RULES ABOUT # HOURS WATCHED"
    RULEDAYS  = "E41 P23/E41 ANY RULES AB WEEKDAY TV HOUR"
    RULEFAM   = "P23A FAMILY RULE OR NOT INTERESTED IN TV"
    WKREAD    = "P24/E44 READ TO CHILD IN PAST WEEK"
    WKREADN   = "P24/E44 # TIMES READ TO CHILD IN PAST WK"
    WKWORDS   = "P24 TAUGHT CHILD LETTERS, WORDS, NUMBERS"
    WKWORDSN  = "P24 # TIMES TAUGHT LETTERS,WORDS,NUMBERS"
    WKMUSIC   = "P24 TAUGHT CHIL SONGS/MUSIC PAST WEEK"
    WKMUSICN  = "P24 # TIMES TAUGHT CHILD SONGS/MUSIC"
    WKSTORY   = "P24 TOLD CHILD A STORY IN PAST WEEK"
    WKSTORYN  = "P24 # TIMES TOLD CHILD A STORY"
    WKSANG    = "P24 SANG A SONG WITH CHILD IN PAST WEEK"
    WKSANGN   = "P24 # TIMES SANG SONG WITH CHILD"
    WKCRAFT   = 'P24/E44 ARTS & CRAFTS W/CHILD PAST WEEK'
    WKCRAFTN  = 'P24/E44 # TIMES ARTS & CRAFTS W/ CHILD'
    WKPLAY    = "P24/E44 PLAYED GAMES/SPORTS PAST WEEK"
    WKPLAYN   = "P24/E44 # TIMES PLAYED GAMES/SPORTS"
    WKEDTV    = "P24/E44 WATCHED EDUC TV W/CHILD LAST WK"
    WKEDTVN   = "P24/E44 # TIMES WATCHED EDUC TV LAST WK"
    LIBRAYMO  = "P25/E45 VISITED LIBRARY IN PAST MONTH"
    LIBRAYYR  = "P25/E45 VISITED LIBRARY IN PAST YEAR"
    MOVIEMO   = "P25/E45 GONE TO A MOVIE IN PAST MONTH"
    MOVIEYR   = "P25/E45 GONE TO A MOVIE IN PAST YEAR"
    CONCRTMO  = "P25/E45 TO PLAY/CONCERT/SHOW PAST MONTH"
    CONCRTYR  = "P25/E45 TO PLAY/CONCERT/SHOW PAST YEAR"
    MUSEUMMO  = "P25/E45 VISITED GALLERY/MUSEUM PAST MNTH"
    MUSEUMYR  = "P25/E45 VISITED GALLERY/MUSEUM PAST YEAR"
    ZOOMO     = "P25/E45 VISITED ZOO/AQUARIUM PAST MONTH"
    ZOOYR     = "P25/E45 VISITED ZOO/AQUARIUM PAST YEAR"
```

```
    PARKMO   = "P25/E45 VISITED PLAYGROUND/PARK PAST MTH"
    PARKYR   = "P25/E45 VISITED PLAYGROUND/PARK PAST YR"
    MOMAGE   = "C12 CHILDS MOTHERS/FEMALE GUARD'S AGE"
    NEWMOM   = "C13 AGE WHEN FIRST BECAME MOTHER"
    MOMLANG  = "C14 FIRST LANGUAGE SPOKEN BY MOTHER"
    MOMSPEAK = "C15 LANGUAGE SPOKEN MOST BY MOTHER"
    MOMGRADE = "C16 HIGHEST GRADE COMPLETED - MOTHER"
    MOMDIPL  = "C17 MOTHER - HS DIPLOMA BEFORE VOCATION"
    MOMWORK  = "C18 MOTHER WORK FOR PAY LAST WEEK"
    MOMLEAVE = "C19 MOTHER ON LEAVE OR VACATION LAST WK"
    MOMHOURS = "C20 HOURS PER WEEK MOTHER WORKS FOR PAY"
    MOMLOOK  = "C21 MOTHER LOOKING FOR WORK PAST 4 WEEKS"
    MOMPUBL  = "C22 MOTHER-PUBLIC EMPLOYMENT AGENCY"
    MOMPRIV  = "C22 MOTHER-PRIVATE EMPLOYMENT AGENCY"
    MOMEMPL  = "C22 MOTHER-CHECKED W/ EMPLOYER DIRECTLY"
    MOMREL   = "C22 MOTHER-CHECKED W/ FRIENDS/RELATIVES"
    MOMADS   = "C22 MOTHER-PLACED OR ANSWERED ADS"
    MOMNOTH  = "C22 MOTHER-DID NOTHING TO FIND WORK"
    MOMOTHR  = "C22 WHAT HAS MOTHER BEEN DOING IN LAST 4"
    MOMACTY  = "C23 MOTHER'S MAIN ACTIVITY LAST WEEK"
    DADGRADE = "C24 HIGHEST GRADE COMPLETED - FATHER"
    DADDIPL  = "C25 FATHER-HS DIPLOMA BEFORE VOCATION"
    DADWORK  = "C26 FATHER WORK FOR PAY LAST WEEK"
    DADLEAVE = "C27 FATHER ON LEAVE OR VACATION LAST WK"
    DADHOURS = "C28 HOURS PER WEEK FATHER WORKS FOR PAY"
    DADLOOK  = "C29 FATHER LOOKING FOR WORK PAST 4 WEEKS"
    DADPUBL  = "C30 FATHER-PUBLIC EMPLOYMENT AGENCY"
    DADPRIV  = "C30 FATHER-PRIVATE EMPLOYMENT AGENCY"
    DADEMPL  = "C30 FATHER-CHECKED W/ EMPLOYER DIRECTLY"
    DADREL   = "C30 FATHER-CHECKED W/ FRIENDS/RELATIVES"
    DADADS   = "C30 FATHER-PLACED OR ANSWERED ADS"
    DADNOTH  = "C30 FATHER-DID NOTHING TO FIND WORK"
    DADOTHR  = "C30 WHAT HAS DAD BEEN DOING IN LAST 4 WK"
    DADACTY  = "C31 FATHER'S MAIN ACTIVITY LAST WEEK"
    AGE90    = "D: CALCULATED AGE AS OF JAN. 1, 1991(C1)"
    ALLGRADE = "D: CHD'S GRADE IN GRDED AND UNGR SCH"
    CENSUSDV = "CENSUS DIVISION"
    CENSUSRG = "CENSUS REGION"
    DADEMPLD = "D: WORK STATUS OF FATHER/STEPF/M GUAR"
    DADLABOR = "D: FATHER LABOR FORCE PARTICN"
    FAMTYPE  = "D: ONE/TWO/NO PARENT IN HH"
    MOMEMPLD = "D: WORK STATUS OF MOTHER/STEPM/F GUAR"
    MOMLABOR = "D: MOTHER/STEPM/FGUAR LABOR FORCE PARTIC"
    PARGRADE = "D: HIGHEST LEVEL OF PARENTAL EDUCATION"
    PARNTCOL = "D: PARENTS COLLEGE EDUCATION"
    PARNTHS  = "D: PARENTS HIGH SCHOOL EDUCATION"
    REGION   = "DEPARTMENT OF EDUCATION REGION"
    TEENMOM  = "D:  MOM/GUARD: AGE FIRST BECAME MOTHER"
    URBAN    = "URBANICITY"
    EWGT     = "FINAL CHILD WEIGHT"
    ;
```

ASSIGNMENT OF FORMATS

```
FORMAT
    HISPANIC        YESNO.
    RACE             RACE.
    GENDER          $SEXP.
    NUMPERS        NUMPERS.
    HOMETYPE      HOMETYPE.
    OWNHOME        OWNHOME.
    INCOMRNG      INCOMRNG.
    READTO        FREQUENT.
    NUMBOOKS        NUMBER.
    NEWSPAPR         YESNO.
    TVHOURS        TVHOURS.
    RULEWHAT         YESNO.
    RULETIME         YESNO.
    RULEHRS          YESNO.
    RULEDAYS         YESNO.
    RULEFAM        RULEFAM.
    WKREAD           YESNO.
    WKREADN          TIMES.
    WKWORDS          YESNO.
    WKWORDSN         TIMES.
    WKMUSIC          YESNO.
    WKMUSICN         TIMES.
    WKSTORY          YESNO.
    WKSTORYN         TIMES.
    WKSANG           YESNO.
    WKSANGN          TIMES.
    WKCRAFT          YESNO.
    WKCRAFTN         TIMES.
    WKPLAY           YESNO.
    WKPLAYN          TIMES.
    WKEDTV           YESNO.
    WKEDTVN          TIMES.
    LIBRAYMO         YESNO.
```

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```
    LIBRAYYR          YESNO.
    MOVIEMO           YESNO.
    MOVIEYR           YESNO.
    CONCRTMO          YESNO.
    CONCRTYR          YESNO.
    MUSEUMMO          YESNO.
    MUSEUMYR          YESNO.
    ZOOMO             YESNO.
    ZOOYR             YESNO.
    PARKMO            YESNO.
    PARKYR            YESNO.
    MOMAGE           MOMAGE.
    NEWMOM           NEWMOM.
    MOMLANG       LANGUAGE.
    MOMSPEAK      MOMSPEAK.
    MOMGRADE      HIGHGRAD.
    MOMDIPL           YESNO.
    MOMWORK           YESNO.
    MOMLEAVE          YESNO.
    MOMHOURS      MOMHRS1X.
    MOMLOOK           YESNO.
    MOMPUBL           YESNO.
    MOMPRIV           YESNO.
    MOMEMPL           YESNO.
    MOMREL            YESNO.
    MOMADS            YESNO.
    MOMNOTH           YESNO.
    MOMOTHR           YESNO.
    MOMACTY       ACTIVITY.
    DADGRADE      HIGHGRAD.
    DADDIPL           YESNO.
    DADWORK           YESNO.
    DADLEAVE          YESNO.
    DADHOURS      MOMHRS1X.
    DADLOOK           YESNO.
    DADPUBL           YESNO.
    DADPRIV           YESNO.
    DADEMPL           YESNO.
    DADREL            YESNO.
    DADADS            YESNO.
    DADNOTH           YESNO.
    DADOTHR           YESNO.
    DADACTY       ACTIVITY.
    AGE90           AGE90X.
    ALLGRADE      $ALLGRAD.
    CENSUSDV      CENSUSDV.
    CENSUSRG      CENSUSRG.
    DADEMPLD      DADEMPLD.
    DADLABOR      DADLABOR.
    FAMTYPE        FAMTYPE.
    MOMEMPLD      MOMEMPLD.
    MOMLABOR      MOMLABOR.
    PARGRADE      PARGRADE.
    PARNTCOL      PARNTCOL.
    PARNTHS        PARNTHS.
    REGION        REGIONED.
    TEENMOM        TEENMOM.
    URBAN            URBAN.
    ;

  IF ( (AGE90 LE  5) );

RUN;
```

SELECTS 3- TO 5-YEAR-OLDS, AS WAS SPECIFIED IN THE EXTRACT CRITERIA IN THE ECB PROGRAM

```
PROC CONTENTS
   DATA=workdir.EXTRACT;
RUN;
```

CONTENTS OF ANALYSIS FILE
(use same filename as assigned above)

VARIABLES

UNWEIGHTED FREQS OF CATEGORICAL

(use same filename as assigned above)
(add WEIGHT statement for weighted frequencies)

```
/* PROC FREQ  DATA=workdir.EXTRACT;

   TABLES
   HISPANIC   RACE       GENDER     HOMETYPE   OWNHOME    INCOMRNG   READTO
   NUMBOOKS   NEWSPAPR   RULEWHAT   RULETIME   RULEHRS    RULEDAYS   RULEFAM
   WKREAD     WKREADN    WKWORDS    WKWORDSN   WKMUSIC    WKMUSICN   WKSTORY
   WKSTORYN   WKSANG     WKSANGN    WKCRAFT    WKCRAFTN   WKPLAY     WKPLAYN
   WKEDTV     WKEDTVN    LIBRAYMO   LIBRAYYR   MOVIEMO    MOVIEYR    CONCRTMO
   CONCRTYR   MUSEUMMO   MUSEUMYR   ZOOMO      ZOOYR      PARKMO     PARKYR
   MOMLANG    MOMSPEAK   MOMGRADE   MOMDIPL    MOMWORK    MOMLEAVE   MOMHOURS
   MOMLOOK    MOMPUBL    MOMPRIV    MOMEMPL    MOMREL     MOMADS     MOMNOTH
   MOMOTHR    MOMACTY    DADGRADE   DADDIPL    DADWORK    DADLEAVE   DADLOOK
   DADPUBL    DADPRIV    DADEMPL    DADREL     DADADS     DADNOTH    DADOTHR
   DADACTY    AGE90      ALLGRADE   CENSUSDV   CENSUSRG   DADEMPLD   DADLABOR   FAMTYPE
   MOMEMPLD   MOMLABOR   PARGRADE   PARNTCOL   PARNTHS    REGION     TEENMOM    URBAN
/MISSING;
 RUN;
*/
```

VARIABLES

UNWEIGHTED MEANS OF CONTINUOUS

(use same filename as assigned above)
(add WEIGHT statement for weighted means)

```
/*PROC MEANS  DATA=workdir.EXTRACT;
      VAR
   NUMPERS   TVHOURS   MOMAGE    NEWMOM    DADHOURS  EWGT     ;
 RUN;
*/
```

Example 2. SPSS for DOS Program Example

```
*
* C:\ECB\WORK\GUIDE.SPS
*
* SPSS program to create extract file
*
SET MORE=OFF/SCREEN=OFF.

DATA LIST FILE='D:\PREPRIM.DAT'  FIXED

/  PERSID      1-9          (A)
   HISPANIC    10-11
   RACE        12-13
   GENDER      16-17        (A)
   NUMPERS     18-19
   HOMETYPE    20-21
   OWNHOME     22-23
   INCOMRNG    24-25
   READTO      386-387
   NUMBOOKS    388-389
   NEWSPAPR    390-391
   TVHOURS     392-393
   RULEWHAT    394-395
   RULETIME    396-397
   RULEHRS     398-399
   RULEDAYS    400-401
   RULEFAM     402-403
   WKREAD      404-405
   WKREADN     406-407
   WKWORDS     408-409
   WKWORDSN    410-411
   WKMUSIC     412-413
   WKMUSICN    414-415
   WKSTORY     416-417
   WKSTORYN    418-419
   WKSANG      420-421
   WKSANGN     422-423
   WKCRAFT     424-425
   WKCRAFTN    426-427
   WKPLAY      428-429
   WKPLAYN     430-431
   WKEDTV      432-433
   WKEDTVN     434-435
   LIBRAYMO    436-437
   LIBRAYYR    438-439
   MOVIEMO     440-441
   MOVIEYR     442-443
   CONCRTMO    444-445
   CONCRTYR    446-447
   MUSEUMMO    448-449
   MUSEUMYR    450-451
   ZOOMO       452-453
   ZOOYR       454-455
   PARKMO      456-457
   PARKYR      458-459
   MOMAGE      468-469
   NEWMOM      470-471
   MOMLANG     472-473
   MOMSPEAK    474-475
   MOMGRADE    476-477
   MOMDIPL     478-479
   MOMWORK     480-481
   MOMLEAVE    482-483
   MOMHOURS    484-485
   MOMLOOK     486-487
   MOMPUBL     488-489
   MOMPRIV     490-491
   MOMEMPL     492-493
   MOMREL      494-495
   MOMADS      496-497
   MOMNOTH     498-499
   MOMOTHR     500-501
   MOMACTY     502-503
   DADGRADE    504-505
   DADDIPL     506-507
   DADWORK     508-509
   DADLEAVE    510-511
   DADHOURS    512-513
   DADLOOK     514-515
   DADPUBL     516-517
   DADPRIV     518-519
   DADEMPL     520-521
   DADREL      522-523
   DADADS      524-525
```

CD DRIVE D: IS THE DEFAULT

DATA LOCATION ON RAW DATA FILE

```
   DADNOTH     526-527
   DADOTHR     528-529
   DADACTY     530-531
   AGE90       532-533
   ALLGRADE    538-539     (A)
   CENSUSDV    542-543
   CENSUSRG    544-545
   DADEMPLD    546-547
   DADLABOR    548-549
   FAMTYPE     556-557
   MOMEMPLD    563-564
   MOMLABOR    565-566
   PARGRADE    567-568
   PARNTCOL    569-570
   PARNTHS     571-572
   REGION      583-584
   TEENMOM     587-588
   URBAN       591-592
/  EWGT         11-20
.
```

LABELS FOR SELECTED VARIABLES

```
VARIABLE LABEL
              PERSID     "PERS KEY = BASEID || 2-DIGIT PERSNUM"
              HISPANIC   "S5/S10C/S11 HISPANIC ETHNICITY"
              RACE       "S5/S10B/S11 PERSON'S RACE"
              GENDER     "S5 PERSON'S GENDER"
              NUMPERS    "S17 TOTAL NUMBER OF PEOPLE LIVING IN HH"
              HOMETYPE   "S19 TYPE OF HOME"
              OWNHOME    "S20 OWN HOME"
              INCOMRNG   "S22A TOTAL HOUSEHOLD INCOME - RANGE"
              READTO     "P19/E36 HOW OFTEN READ TO CHILD"
              NUMBOOKS   "P20/E35 HOW MANY KIDS BOOKS CHILD HAVE"
              NEWSPAPR   "P21/E38 DOES FAMILY GET DAILY NEWSPAPER"
              TVHOURS    "P22/E40 HOURS PER DAY WATCHING TV/VIDEO"
              RULEWHAT   "P23/E41 ANY RULES ABOUT WHAT PROGRAMS"
              RULETIME   "P23/E41 ANY RULES ABOUT HOW EARLY/LATE"
              RULEHRS    "P23/E41 ANY RULES ABOUT # HOURS WATCHED"
              RULEDAYS   "E41 P23/E41 ANY RULES AB WEEKDAY TV HOUR"
              RULEFAM    "P23A FAMILY RULE OR NOT INTERESTED IN TV"
              WKREAD     "P24/E44 READ TO CHILD IN PAST WEEK"
              WKREADN    "P24/E44 # TIMES READ TO CHILD IN PAST WK"
              WKWORDS    "P24 TAUGHT CHILD LETTERS, WORDS, NUMBERS"
              WKWORDSN   "P24 # TIMES TAUGHT LETTERS,WORDS,NUMBERS"
              WKMUSIC    "P24 TAUGHT CHIL SONGS/MUSIC PAST WEEK"
              WKMUSICN   "P24 # TIMES TAUGHT CHILD SONGS/MUSIC"
              WKSTORY    "P24 TOLD CHILD A STORY IN PAST WEEK"
              WKSTORYN   "P24 # TIMES TOLD CHILD A STORY"
              WKSANG     "P24 SANG A SONG WITH CHILD IN PAST WEEK"
              WKSANGN    "P24 # TIMES SANG SONG WITH CHILD"
              WKCRAFT    "P24/E44 ARTS & CRAFTS W/CHILD PAST WEEK"
              WKCRAFTN   "P24/E44 # TIMES ARTS & CRAFTS W/ CHILD"
              WKPLAY     "P24/E44 PLAYED GAMES/SPORTS PAST WEEK"
              WKPLAYN    "P24/E44 # TIMES PLAYED GAMES/SPORTS"
              WKEDTV     "P24/E44 WATCHED EDUC TV W/CHILD LAST WK"
              WKEDTVN    "P24/E44 # TIMES WATCHED EDUC TV LAST WK"
              LIBRAYMO   "P25/E45 VISITED LIBRARY IN PAST MONTH"
              LIBRAYYR   "P25/E45 VISITED LIBRARY IN PAST YEAR"
              MOVIEMO    "P25/E45 GONE TO A MOVIE IN PAST MONTH"
              MOVIEYR    "P25/E45 GONE TO A MOVIE IN PAST YEAR"
              CONCRTMO   "P25/E45 TO PLAY/CONCERT/SHOW PAST MONTH"
              CONCRTYR   "P25/E45 TO PLAY/CONCERT/SHOW PAST YEAR"
              MUSEUMMO   "P25/E45 VISITED GALLERY/MUSEUM PAST MNTH"
              MUSEUMYR   "P25/E45 VISITED GALLERY/MUSEUM PAST YEAR"
              ZOOMO      "P25/E45 VISITED ZOO/AQUARIUM PAST MONTH"
              ZOOYR      "P25/E45 VISITED ZOO/AQUARIUM PAST YEAR"
              PARKMO     "P25/E45 VISITED PLAYGROUND/PARK PAST MTH"
              PARKYR     "P25/E45 VISITED PLAYGROUND/PARK PAST YR"
              MOMAGE     "C12 CHILDS MOTHERS/FEMALE GUARD'S AGE"
              NEWMOM     "C13 AGE WHEN FIRST BECAME MOTHER"
              MOMLANG    "C14 FIRST LANGUAGE SPOKEN BY MOTHER"
              MOMSPEAK   "C15 LANGUAGE SPOKEN MOST BY MOTHER"
              MOMGRADE   "C16 HIGHEST GRADE COMPLETED - MOTHER"
              MOMDIPL    "C17 MOTHER - HS DIPLOMA BEFORE VOCATION"
              MOMWORK    "C18 MOTHER WORK FOR PAY LAST WEEK"
              MOMLEAVE   "C19 MOTHER ON LEAVE OR VACATION LAST WK"
              MOMHOURS   "C20 HOURS PER WEEK MOTHER WORKS FOR PAY"
              MOMLOOK    "C21 MOTHER LOOKING FOR WORK PAST 4 WEEKS"
              MOMPUBL    "C22 MOTHER-PUBLIC EMPLOYMENT AGENCY"
              MOMPRIV    "C22 MOTHER-PRIVATE EMPLOYMENT AGENCY"
              MOMEMPL    "C22 MOTHER-CHECKED W/ EMPLOYER DIRECTLY"
              MOMREL     "C22 MOTHER-CHECKED W/ FRIENDS/RELATIVES"
              MOMADS     "C22 MOTHER-PLACED OR ANSWERED ADS"
              MOMNOTH    "C22 MOTHER-DID NOTHING TO FIND WORK"
```

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```
MOMOTHR     "C22 WHAT HAS MOTHER BEEN DOING IN LAST 4"
MOMACTY     "C23 MOTHER'S MAIN ACTIVITY LAST WEEK"
DADGRADE    "C24 HIGHEST GRADE COMPLETED - FATHER"
DADDIPL     "C25 FATHER-HS DIPLOMA BEFORE VOCATION"
DADWORK     "C26 FATHER WORK FOR PAY LAST WEEK"
DADLEAVE    "C27 FATHER ON LEAVE OR VACATION LAST WK"
DADHOURS    "C28 HOURS PER WEEK FATHER WORKS FOR PAY"
DADLOOK     "C29 FATHER LOOKING FOR WORK PAST 4 WEEKS"
DADPUBL     "C30 FATHER-PUBLIC EMPLOYMENT AGENCY"
DADPRIV     "C30 FATHER-PRIVATE EMPLOYMENT AGENCY"
DADEMPL     "C30 FATHER-CHECKED W/ EMPLOYER DIRECTLY"
DADREL      "C30 FATHER-CHECKED W/ FRIENDS/RELATIVES"
DADADS      "C30 FATHER-PLACED OR ANSWERED ADS"
DADNOTH     "C30 FATHER-DID NOTHING TO FIND WORK"
DADOTHR     "C30 WHAT HAS DAD BEEN DOING IN LAST 4 WK"
DADACTY     "C31 FATHER'S MAIN ACTIVITY LAST WEEK"
AGE90       "D: CALCULATED AGE AS OF JAN. 1, 1991(C1)"
ALLGRADE    "D: CHD'S GRADE IN GRDED AND UNGR SCH"
CENSUSDV    "CENSUS DIVISION"
CENSUSRG    "CENSUS REGION"
DADEMPLD    "D: WORK STATUS OF FATHER/STEPF/M GUAR"
DADLABOR    "D: FATHER LABOR FORCE PARTICN"
FAMTYPE     "D: ONE/TWO/NO PARENT IN HH"
MOMEMPLD    "D: WORK STATUS OF MOTHER/STEPM/F GUAR"
MOMLABOR    "D: MOTHER/STEPM/FGUAR LABOR FORCE PARTIC"
PARGRADE    "D: HIGHEST LEVEL OF PARENTAL EDUCATION"
PARNTCOL    "D: PARENTS COLLEGE EDUCATION"
PARNTHS     "D: PARENTS HIGH SCHOOL EDUCATION"
REGION      "DEPARTMENT OF EDUCATION REGION"
TEENMOM     "D:  MOM/GUARD: AGE FIRST BECAME MOTHER"
URBAN       "URBANICITY"
EWGT        "FINAL CHILD WEIGHT"
.
```

ASSIGNMENT OF VALUE LABELS

```
VALUE LABELS
/   HISPANIC
              -1 'INAPPLICABLE'
              -7 'REFUSED'
              -8 'DK'
              -9 'NOT ASCERTAINED'
               1 'YES'
               2 'NO'
/   RACE
              -1 'INAPPLICABLE'
              -7 'REFUSED'
              -8 'DK'
              -9 'NOT ASCERTAINED'
               1 'WHITE'
               2 'BLACK'
               3 'NATIVE AMERICAN OR ALASKAN NATIVE'
               4 'ASIAN OR PACIFIC ISLANDER'
              91 'SOME OTHER RACE'
/   GENDER
             '-1' 'INAPPLICABLE'
             '-7' 'REFUSED'
             '-8' 'DK'
             '-9' 'NOT ASCERTAINED'
             'F ' 'FEMALE'
             'M ' 'MALE'
/   NUMPERS
              -1 'INAPPLICABLE'
              -7 'REFUSED'
              -8 'DK'
              -9 'NOT ASCERTAINED'
               0 'BLANKS ALLOWED'
```

```
/   HOMETYPE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 0 'BLANKS ALLOWED'
                 1 'SINGLE FAMILY HOUSE OR TOWNHOUSE'
                 2 'APARTMENT'
                 3 'SOME OTHER TYPE OF HOME'
/   OWNHOME
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 0 'BLANKS ALLOWED'
                 1 'OWN YOUR HOME'
                 2 'RENT YOUR HOME'
                 3 'HAVE SOME OTHER ARRANGEMENT'
/   INCOMRNG
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 0 'BLANKS ALLOWED'
                 1 '$5,000 OR LESS'
                10 'OVER $75,000'
                 2 '$5,001 TO $10,000'
                 3 '$10,001 TO $15,000'
                 4 '$15,001 TO $20,000'
                 5 '$20,001 TO $25,000'
                 6 '$25,001 TO $30,000'
                 7 '$30,001 TO $40,000'
                 8 '$40,001 TO $50,000'
                 9 '$50,001 TO $75,000'
/   READTO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'NEVER'
                 2 'SEVERAL TIMES A YEAR'
                 3 'SEVERAL TIMES A MONTH'
                 4 'AT LEAST THREE TIMES A WEEK'
                 5 'EVERY DAY'
/   NUMBOOKS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'NONE'
                 2 '1 OR 2 BOOKS'
                 3 '3 TO 9 BOOKS'
                 4 '10 OR MORE BOOKS'
/   NEWSPAPR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   TVHOURS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                95 'DO NOT HAVE A TV'
                96 'LESS THAN ONE HOUR PER DAY'
/   RULEWHAT
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   RULETIME
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
```

```
/   RULEHRS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   RULEDAYS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   RULEFAM
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'FAMILY RULE'
                 2 'NOT INTERESTED'
                95 "DON'T HAVE TELEVISION"
/   WKREAD
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKREADN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKWORDS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKWORDSN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKMUSIC
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKMUSICN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKSTORY
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKSTORYN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
```

```
/   WKSANG
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKSANGN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKCRAFT
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKCRAFTN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKPLAY
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKPLAYN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKEDTV
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKEDTVN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   LIBRAYMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   LIBRAYYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOVIEMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
```

BEST COPY AVAILABLE

```
/   MOVIEYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   CONCRTMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   CONCRTYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MUSEUMMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MUSEUMYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   ZOOMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   ZOOYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   PARKMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   PARKYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMAGE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
/   NEWMOM
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
```

```
/   MOMLANG
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'ENGLISH'
                 2 'SPANISH'
                 3 'ASIAN LANGUAGE'
                91 'OTHER LANGUAGE'
/   MOMSPEAK
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'ENGLISH'
                 2 'SPANISH'
                 3 'ASIAN LANGUAGE'
                 4 'OTHER LANGUAGE'
/   MOMGRADE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'UP TO EIGHTH GRADE'
                 2 'NINTH TO ELEVENTH GRADE'
                 3 'HIGH SCHOOL DIPLOMA OR EQUIVALENT'
                 4 'VOCATIONAL/TECHNICAL AFTER HIGH SCHOOL'
                 5 '1-2 YEARS OF COLLEGE'
                 6 "ASSOCIATE'S DEGREE"
                 7 '3-4 YEARS OF COLLEGE'
                 8 "BACHELOR'S DEGREE"
                 9 'GRADUATE OR PROFESSIONAL SCHOOL'
/   MOMDIPL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMWORK
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMLEAVE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMHOURS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
/   MOMLOOK
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMPUBL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMPRIV
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
```

```
/  MOMEMPL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/  MOMREL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/  MOMADS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/  MOMNOTH
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/  MOMOTHR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/  MOMACTY
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'KEEPING HOUSE/CARING FOR CHILDREN'
                 2 'GOING TO SCHOOL'
                 3 'RETIRED'
                 4 'UNABLE TO WORK'
                91 'OTHER (SPECIFY)'
/  DADGRADE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'UP TO EIGHTH GRADE'
                 2 'NINTH TO ELEVENTH GRADE'
                 3 'HIGH SCHOOL DIPLOMA OR EQUIVALENT'
                 4 'VOCATIONAL/TECHNICAL AFTER HIGH SCHOOL'
                 5 '1-2 YEARS OF COLLEGE'
                 6 "ASSOCIATE'S DEGREE"
                 7 '3-4 YEARS OF COLLEGE'
                 8 "BACHELOR'S DEGREE"
                 9 'GRADUATE OR PROFESSIONAL SCHOOL'
/  DADDIPL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/  DADWORK
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/  DADLEAVE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
```

```
/   DADHOURS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
/   DADLOOK
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADPUBL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADPRIV
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADEMPL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADREL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADADS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADNOTH
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADOTHR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADACTY
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'KEEPING HOUSE/CARING FOR CHILDREN'
                 2 'GOING TO SCHOOL'
                 3 'RETIRED'
                 4 'UNABLE TO WORK'
                91 'OTHER (SPECIFY)'
/   AGE90
                -1 'INAPPLICABLE'
```

```
/   ALLGRADE
                '0 ' 'NOT ENROLLED'
                '1 ' 'FIRST GRADE/EQUIV'
                '2 ' 'SECOND GRADE/EQUIV'
                '3 ' 'THIRD GRADE/EQUIV'
                '4 ' 'FOURTH GRADE/EQUIV'
                '5 ' 'FIFTH GRADE/EQUIV'
                '6 ' 'UNGRADED & NO EQUIV'
                'K ' 'KINDERGARTEN'
                'N ' 'NURSERY,PREK, HDST'
                'P ' 'PRE-FIRST/TRANS 1ST'
                'T ' 'TRANS KINDERGARTN'
/   CENSUSDV
                 -1 'INAPPLICABLE'
                  1 'NEW ENGLAND'
                  2 'MIDDLE ATLANTIC'
                  3 'EAST NORTH CENTRAL'
                  4 'WEST NORTH CENTRAL'
                  5 'SOUTH ATLANTIC'
                  6 'EAST SOUTH CENTRAL'
                  7 'WEST SOUTH CENTRAL'
                  8 'MOUNTAIN'
                  9 'PACIFIC'
/   CENSUSRG
                 -1 'INAPPLICABLE'
                  1 'NORTHEAST'
                  2 'MIDWEST'
                  3 'SOUTH'
                  4 'WEST'
/   DADEMPLD
                  1 '=> 35 HRS P/WEEK'
                  2 '< 35 HRS P/WEEK'
                  3 'HRS N/SPECIFIED'
                  4 'LOOKING F/WORK'
                  5 'N/IN LABOR FORCE'
/   DADLABOR
                  1 'EMP-IN LBR FORCE'
                  2 'UNEMP-IN LBR FORCE'
                  3 'KEEP HOUS/CHILD CARE'
                  4 'GOING TO SCHOOL'
                  5 'RETIRED/UNABLE WORK'
                  6 'OTHER'
/   FAMTYPE
                  1 '1 PARENT IN HH'
                  2 '2 PARENTS IN HH'
                  3 '3 NO PARENTS IN HH'
/   MOMEMPLD
                  1 '=> 35 HRS P/WEEK'
                  2 '< 35 HRS P/WEEK'
                  3 'HRS N/SPECIFIED'
                  4 'LOOKING F/WORK'
                  5 'N/IN LABOR FORCE'
/   MOMLABOR
                  1 'EMP-IN LBR FORCE'
                  2 'UNEMP-IN LBR FORCE'
                  3 'KEEP HOUS/CHILD CARE'
                  4 'GOING TO SCHOOL'
                  5 'RETIRED/UNABLE WORK'
                  6 'OTHER'
/   PARGRADE
                  1 'LESS THAN H/S'
                  2 'H/S GRAD/EQUIVALENT'
                  3 'VOC/TECH/SOME COLL'
                  4 'COLLEGE GRADUATE'
                  5 'GRADUATE/PROF SCHOOL'
                  9 'NEITHER PARENT IN HH'
/   PARNTCOL
                  1 'SINGLE/BOTH <COL'
                  2 '1 <COL, 1 COL DEG'
                  3 'SINGLE/BOTH COL DEG'
/   PARNTHS
                  1 'SINGLE/BOTH <H/S'
                  2 '1 <H/S, 1 H/S DEG'
                  3 'SINGLE/BOTH H/S DEG'
/   REGION
                 -1 'INAPPLICABLE'
                 -9 'NOT ASCERTAINED'
                  1 'NORTHEAST'
                  2 'CENTRAL'
                  3 'SOUTHEAST'
                  4 'WEST'
/   TEENMOM
                  1 '17 OR YOUNGER'
                  2 'AGE 18 OR 19'
                  3 'AGE 20 OR OLDER'
```

```
/   URBAN
                -1 'INAPPLICABLE'
                -9 'NOT ASCERTAINED'
                 0 'NON'
                 1 'MSA'
                 2 'NECMA'

SELECT IF ( (AGE90 LE  5) ).
```

SELECTS 3- TO 5-YEAR OLDS, AS WAS SPECIFIED IN THE EXTRACT CRITERIA IN THE ECB PROGRAM

```
SAVE OUTFILE='C:\ECB\WORK\EXTRACT.SYS'.
```

ASSIGN NAME OF ANALYSIS FILE (DEFAULT IS "EXTRACT")

```
DISPLAY ALL.
```

CONTENTS OF ANALYSIS FILE

```
* Frequencies /VARIABLES=
```

UNWEIGHTED FREQS OF CATEGORICAL VARIABLES (insert the WEIGHT command above for weighted frequencies)

```
     HISPANIC      RACE    GENDER  HOMETYPE   OWNHOME  INCOMRNG    READTO
     NUMBOOKS  NEWSPAPR  RULEWHAT  RULETIME   RULEHRS  RULEDAYS   RULEFAM
       WKREAD   WKREADN   WKWORDS  WKWORDSN   WKMUSIC  WKMUSICN   WKSTORY
     WKSTORYN    WKSANG   WKSANGN   WKCRAFT  WKCRAFTN    WKPLAY   WKPLAYN
       WKEDTV   WKEDTVN  LIBRAYMO  LIBRAYYR   MOVIEMO   MOVIEYR  CONCRTMO
     CONCRTYR  MUSEUMMO  MUSEUMYR    ZOOMO     ZOOYR    PARKMO     PARKYR
      MOMLANG  MOMSPEAK  MOMGRADE   MOMDIPL   MOMWORK  MOMLEAVE  MOMHOURS
      MOMLOOK   MOMPUBL   MOMPRIV   MOMEMPL    MOMREL   MOMADS    MOMNOTH
      MOMOTHR   MOMACTY  DADGRADE   DADDIPL   DADWORK  DADLEAVE   DADLOOK
      DADPUBL   DADPRIV   DADEMPL    DADREL    DADADS   DADNOTH   DADOTHR
      DADACTY     AGE90  ALLGRADE  CENSUSDV  CENSUSRG  DADEMPLD  DADLABOR
      FAMTYPE  MOMEMPLD  MOMLABOR  PARGRADE  PARNTCOL   PARNTHS    REGION
      TEENMOM     URBAN
/MISSING=INCLUDE.
```

```
* Descriptives   VARIABLES=
```

UNWEIGHTED DESCRIPTIVE STATISTICS OF CONTINUOUS VARIABLES

(insert the WEIGHT command above for weighted estimates)

```
     NUMPERS   TVHOURS    MOMAGE    NEWMOM  DADHOURS      EWGT.
FINISH.
```

Example 3. SPSS for Windows Program Example

```
*
* C:\ECB\WORK\GUIDE.SPS
*
* SPSS program to create extract file
*

SET MORE=OFF/SCREEN=OFF.

DATA LIST FILE='D:\PREPRIM.DAT'  FIXED RECORDS= 2 TABLE
/1
   PERSID      1-9          (A)
   HISPANIC    10-11
   RACE        12-13
   GENDER      16-17        (A)
   NUMPERS     18-19
   HOMETYPE    20-21
   OWNHOME     22-23
   INCOMRNG    24-25
   READTO      386-387
   NUMBOOKS    388-389
   NEWSPAPR    390-391
   TVHOURS     392-393
   RULEWHAT    394-395
   RULETIME    396-397
   RULEHRS     398-399
   RULEDAYS    400-401
   RULEFAM     402-403
   WKREAD      404-405
   WKREADN     406-407
   WKWORDS     408-409
   WKWORDSN    410-411
   WKMUSIC     412-413
   WKMUSICN    414-415
   WKSTORY     416-417
   WKSTORYN    418-419
   WKSANG      420-421
   WKSANGN     422-423
   WKCRAFT     424-425
   WKCRAFTN    426-427
   WKPLAY      428-429
   WKPLAYN     430-431
   WKEDTV      432-433
   WKEDTVN     434-435
   LIBRAYMO    436-437
   LIBRAYYR    438-439
   MOVIEMO     440-441
   MOVIEYR     442-443
   CONCRTMO    444-445
   CONCRTYR    446-447
   MUSEUMMO    448-449
   MUSEUMYR    450-451
   ZOOMO       452-453
   ZOOYR       454-455
   PARKMO      456-457
   PARKYR      458-459
   MOMAGE      468-469
   NEWMOM      470-471
   MOMLANG     472-473
   MOMSPEAK    474-475
   MOMGRADE    476-477
   MOMDIPL     478-479
   MOMWORK     480-481
   MOMLEAVE    482-483
   MOMHOURS    484-485
   MOMLOOK     486-487
   MOMPUBL     488-489
   MOMPRIV     490-491
   MOMEMPL     492-493
   MOMREL      494-495
   MOMADS      496-497
   MOMNOTH     498-499
   MOMOTHR     500-501
   MOMACTY     502-503
   DADGRADE    504-505
   DADDIPL     506-507
   DADWORK     508-509
   DADLEAVE    510-511
   DADHOURS    512-513
   DADLOOK     514-515
   DADPUBL     516-517
   DADPRIV     518-519
   DADEMPL     520-521
   DADREL      522-523
```

CD DRIVE D: IS THE DEFAULT DATA LOCATION ON RAW DATA FILE

```
   DADAD5      524-525
   DADNOTH     526-527
   DADOTHR     528-529
   DADACTY     530-531
   AGE90       532-533
   ALLGRADE    538-539     (A)
   CENSUSDV    542-543
   CENSUSRG    544-545
   DADEMPLD    546-547
   DADLABOR    548-549
   FAMTYPE     556-557
   MOMEMPLD    563-564
   MOMLABOR    565-566
   PARGRADE    567-568
   PARNTCOL    569-570
   PARNTHS     571-572
   REGION      583-584
   TEENMOM     587-588
   URBAN       591-592
/2
   EWGT        11-20
.
```

LABELS FOR SELECTED VARIABLES

```
VARIABLE LABEL

   PERSID      "PERS KEY = BASEID || 2-DIGIT PERSNUM"
   HISPANIC    "S5/S10C/S11 HISPANIC ETHNICITY"
   RACE        "S5/S10B/S11 PERSON'S RACE"
   GENDER      "S5 PERSON'S GENDER"
   NUMPERS     "S17 TOTAL NUMBER OF PEOPLE LIVING IN HH"
   HOMETYPE    "S19 TYPE OF HOME"
   OWNHOME     "S20 OWN HOME"
   INCOMRNG    "S22A TOTAL HOUSEHOLD INCOME - RANGE"
   READTO      "P19/E36 HOW OFTEN READ TO CHILD"
   NUMBOOKS    "P20/E35 HOW MANY KIDS BOOKS CHILD HAVE"
   NEWSPAPR    "P21/E38 DOES FAMILY GET DAILY NEWSPAPER"
   TVHOURS     "P22/E40 HOURS PER DAY WATCHING TV/VIDEO"
   RULEWHAT    "P23/E41 ANY RULES ABOUT WHAT PROGRAMS"
   RULETIME    "P23/E41 ANY RULES ABOUT HOW EARLY/LATE"
   RULEHRS     "P23/E41 ANY RULES ABOUT # HOURS WATCHED"
   RULEDAYS    "E41 P23/E41 ANY RULES AB WEEKDAY TV HOUR"
   RULEFAM     "P23A FAMILY RULE OR NOT INTERESTED IN TV"
   WKREAD      "P24/E44 READ TO CHILD IN PAST WEEK"
   WKREADN     "P24/E44 # TIMES READ TO CHILD IN PAST WK"
   WKWORDS     "P24 TAUGHT CHILD LETTERS, WORDS, NUMBERS"
   WKWORDSN    "P24 # TIMES TAUGHT LETTERS,WORDS,NUMBERS"
   WKMUSIC     "P24 TAUGHT CHIL SONGS/MUSIC PAST WEEK"
   WKMUSICN    "P24 # TIMES TAUGHT CHILD SONGS/MUSIC"
   WKSTORY     "P24 TOLD CHILD A STORY IN PAST WEEK"
   WKSTORYN    "P24 # TIMES TOLD CHILD A STORY"
   WKSANG      "P24 SANG A SONG WITH CHILD IN PAST WEEK"
   WKSANGN     "P24 # TIMES SANG SONG WITH CHILD"
   WKCRAFT     "P24/E44 ARTS & CRAFTS W/CHILD PAST WEEK"
   WKCRAFTN    "P24/E44 # TIMES ARTS & CRAFTS W/ CHILD"
   WKPLAY      "P24/E44 PLAYED GAMES/SPORTS PAST WEEK"
   WKPLAYN     "P24/E44 # TIMES PLAYED GAMES/SPORTS"
   WKEDTV      "P24/E44 WATCHED EDUC TV W/CHILD LAST WK"
   WKEDTVN     "P24/E44 # TIMES WATCHED EDUC TV LAST WK"
   LIBRAYMO    "P25/E45 VISITED LIBRARY IN PAST MONTH"
   LIBRAYYR    "P25/E45 VISITED LIBRARY IN PAST YEAR"
   MOVIEMO     "P25/E45 GONE TO A MOVIE IN PAST MONTH"
   MOVIEYR     "P25/E45 GONE TO A MOVIE IN PAST YEAR"
   CONCRTMO    "P25/E45 TO PLAY/CONCERT/SHOW PAST MONTH"
   CONCRTYR    "P25/E45 TO PLAY/CONCERT/SHOW PAST YEAR"
   MUSEUMMO    "P25/E45 VISITED GALLERY/MUSEUM PAST MNTH"
   MUSEUMYR    "P25/E45 VISITED GALLERY/MUSEUM PAST YEAR"
   ZOOMO       "P25/E45 VISITED ZOO/AQUARIUM PAST MONTH"
   ZOOYR       "P25/E45 VISITED ZOO/AQUARIUM PAST YEAR"
   PARKMO      "P25/E45 VISITED PLAYGROUND/PARK PAST MTH"
   PARKYR      "P25/E45 VISITED PLAYGROUND/PARK PAST YR"
   MOMAGE      "C12 CHILDS MOTHERS/FEMALE GUARD'S AGE"
   NEWMOM      "C13 AGE WHEN FIRST BECAME MOTHER"
   MOMLANG     "C14 FIRST LANGUAGE SPOKEN BY MOTHER"
   MOMSPEAK    "C15 LANGUAGE SPOKEN MOST BY MOTHER"
   MOMGRADE    "C16 HIGHEST GRADE COMPLETED - MOTHER"
   MOMDIPL     "C17 MOTHER - HS DIPLOMA BEFORE VOCATION"
   MOMWORK     "C18 MOTHER WORK FOR PAY LAST WEEK"
   MOMLEAVE    "C19 MOTHER ON LEAVE OR VACATION LAST WK"
   MOMHOURS    "C20 HOURS PER WEEK MOTHER WORKS FOR PAY"
   MOMLOOK     "C21 MOTHER LOOKING FOR WORK PAST 4 WEEKS"
   MOMPUBL     "C22 MOTHER-PUBLIC EMPLOYMENT AGENCY"
   MOMPRIV     "C22 MOTHER-PRIVATE EMPLOYMENT AGENCY"
   MOMEMPL     "C22 MOTHER-CHECKED W/ EMPLOYER DIRECTLY"
   MOMREL      "C22 MOTHER-CHECKED W/ FRIENDS/RELATIVES"
   MOMADS      "C22 MOTHER-PLACED OR ANSWERED ADS"
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BEST COPY AVAILABLE

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MOMNOTH     "C22 MOTHER-DID NOTHING TO FIND WORK"
MOMOTHR     "C22 WHAT HAS MOTHER BEEN DOING IN LAST 4"
MOMACTY     "C23 MOTHER'S MAIN ACTIVITY LAST WEEK"
DADGRADE    "C24 HIGHEST GRADE COMPLETED - FATHER"
DADDIPL     "C25 FATHER-HS DIPLOMA BEFORE VOCATION"
DADWORK     "C26 FATHER WORK FOR PAY LAST WEEK"
DADLEAVE    "C27 FATHER ON LEAVE OR VACATION LAST WK"
DADHOURS    "C28 HOURS PER WEEK FATHER WORKS FOR PAY"
DADLOOK     "C29 FATHER LOOKING FOR WORK PAST 4 WEEKS"
DADPUBL     "C30 FATHER-PUBLIC EMPLOYMENT AGENCY"
DADPRIV     "C30 FATHER-PRIVATE EMPLOYMENT AGENCY"
DADEMPL     "C30 FATHER-CHECKED W/ EMPLOYER DIRECTLY"
DADREL      "C30 FATHER-CHECKED W/ FRIENDS/RELATIVES"
DADADS      "C30 FATHER-PLACED OR ANSWERED ADS"
DADNOTH     "C30 FATHER-DID NOTHING TO FIND WORK"
DADOTHR     "C30 WHAT HAS DAD BEEN DOING IN LAST 4 WK"
DADACTY     "C31 FATHER'S MAIN ACTIVITY LAST WEEK"
AGE90       "D: CALCULATED AGE AS OF JAN. 1, 1991(C1)"
ALLGRADE    "D: CHD'S GRADE IN GRDED AND UNGR SCH"
CENSUSDV    "CENSUS DIVISION"
CENSUSRG    "CENSUS REGION"
DADEMPLD    "D: WORK STATUS OF FATHER/STEPF/M GUAR"
DADLABOR    "D: FATHER LABOR FORCE PARTICN"
FAMTYPE     "D: ONE/TWO/NO PARENT IN HH"
MOMEMPLD    "D: WORK STATUS OF MOTHER/STEPM/F GUAR"
MOMLABOR    "D: MOTHER/STEPM/FGUAR LABOR FORCE PARTIC"
PARGRADE    "D: HIGHEST LEVEL OF PARENTAL EDUCATION"
PARNTCOL    "D: PARENTS COLLEGE EDUCATION"
PARNTHS     "D: PARENTS HIGH SCHOOL EDUCATION"
REGION      "DEPARTMENT OF EDUCATION REGION"
TEENMOM     "D:  MOM/GUARD: AGE FIRST BECAME MOTHER"
URBAN       "URBANICITY"
EWGT        "FINAL CHILD WEIGHT"
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ASSIGNMENT OF VALUE LABELS

```
VALUE LABELS
/   HISPANIC
              -1 'INAPPLICABLE'
              -7 'REFUSED'
              -8 'DK'
              -9 'NOT ASCERTAINED'
               1 'YES'
               2 'NO'
/   RACE
              -1 'INAPPLICABLE'
              -7 'REFUSED'
              -8 'DK'
              -9 'NOT ASCERTAINED'
               1 'WHITE'
               2 'BLACK'
               3 'NATIVE AMERICAN OR ALASKAN NATIVE'
               4 'ASIAN OR PACIFIC ISLANDER'
              91 'SOME OTHER RACE'
/   GENDER
            '-1' 'INAPPLICABLE'
            '-7' 'REFUSED'
            '-8' 'DK'
            '-9' 'NOT ASCERTAINED'
            'F ' 'FEMALE'
            'M ' 'MALE'
/   NUMPERS
              -1 'INAPPLICABLE'
              -7 'REFUSED'
              -8 'DK'
              -9 'NOT ASCERTAINED'
               0 'BLANKS ALLOWED'
```

```
/   HOMETYPE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 0 'BLANKS ALLOWED'
                 1 'SINGLE FAMILY HOUSE OR TOWNHOUSE'
                 2 'APARTMENT'
                 3 'SOME OTHER TYPE OF HOME'
/   OWNHOME
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 0 'BLANKS ALLOWED'
                 1 'OWN YOUR HOME'
                 2 'RENT YOUR HOME'
                 3 'HAVE SOME OTHER ARRANGEMENT'
/   INCOMRNG
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 0 'BLANKS ALLOWED'
                 1 '$5,000 OR LESS'
                10 'OVER $75,000'
                 2 '$5,001 TO $10,000'
                 3 '$10,001 TO $15,000'
                 4 '$15,001 TO $20,000'
                 5 '$20,001 TO $25,000'
                 6 '$25,001 TO $30,000'
                 7 '$30,001 TO $40,000'
                 8 '$40,001 TO $50,000'
                 9 '$50,001 TO $75,000'
/   READTO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'NEVER'
                 2 'SEVERAL TIMES A YEAR'
                 3 'SEVERAL TIMES A MONTH'
                 4 'AT LEAST THREE TIMES A WEEK'
                 5 'EVERY DAY'
/   NUMBOOKS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'NONE'
                 2 '1 OR 2 BOOKS'
                 3 '3 TO 9 BOOKS'
                 4 '10 OR MORE BOOKS'
/   NEWSPAPR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   TVHOURS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                95 'DO NOT HAVE A TV'
                96 'LESS THAN ONE HOUR PER DAY'
/   RULEWHAT
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   RULETIME
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
```

```
/   RULEHRS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   RULEDAYS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   RULEFAM
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'FAMILY RULE'
                 2 'NOT INTERESTED'
                95 "DON'T HAVE TELEVISION"
/   WKREAD
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKREADN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKWORDS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKWORDSN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKMUSIC
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKMUSICN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKSTORY
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKSTORYN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
```

```
/   WKSANG
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKSANGN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKCRAFT
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKCRAFTN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKPLAY
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKPLAYN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   WKEDTV
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   WKEDTVN
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 '1-2 TIMES'
                 2 '3+ TIMES'
/   LIBRAYMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   LIBRAYYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/ - MOVIEMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
```

```
/   MOVIEYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   CONCRTMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   CONCRTYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MUSEUMMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MUSEUMYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   ZOOMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   ZOOYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   PARKMO
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   PARKYR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMAGE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
/   NEWMOM
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
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/   MOMLANG
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'ENGLISH'
                 2 'SPANISH'
                 3 'ASIAN LANGUAGE'
                91 'OTHER LANGUAGE'
/   MOMSPEAK
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'ENGLISH'
                 2 'SPANISH'
                 3 'ASIAN LANGUAGE'
                 4 'OTHER LANGUAGE'
/   MOMGRADE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'UP TO EIGHTH GRADE'
                 2 'NINTH TO ELEVENTH GRADE'
                 3 'HIGH SCHOOL DIPLOMA OR EQUIVALENT'
                 4 'VOCATIONAL/TECHNICAL AFTER HIGH SCHOOL'
                 5 '1-2 YEARS OF COLLEGE'
                 6 "ASSOCIATE'S DEGREE"
                 7 '3-4 YEARS OF COLLEGE'
                 8 "BACHELOR'S DEGREE"
                 9 'GRADUATE OR PROFESSIONAL SCHOOL'
/   MOMDIPL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMWORK
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMLEAVE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMHOURS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
/   MOMLOOK
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMPUBL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMPRIV
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
```

BEST COPY AVAILABLE

```
/   MOMEMPL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMREL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMADS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMNOTH
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMOTHR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   MOMACTY
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'KEEPING HOUSE/CARING FOR CHILDREN'
                 2 'GOING TO SCHOOL'
                 3 'RETIRED'
                 4 'UNABLE TO WORK'
                91 'OTHER (SPECIFY)'
/   DADGRADE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'UP TO EIGHTH GRADE'
                 2 'NINTH TO ELEVENTH GRADE'
                 3 'HIGH SCHOOL DIPLOMA OR EQUIVALENT'
                 4 'VOCATIONAL/TECHNICAL AFTER HIGH SCHOOL'
                 5 '1-2 YEARS OF COLLEGE'
                 6 "ASSOCIATE'S DEGREE"
                 7 '3-4 YEARS OF COLLEGE'
                 8 "BACHELOR'S DEGREE"
                 9 'GRADUATE OR PROFESSIONAL SCHOOL'
/   DADDIPL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADWORK
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADLEAVE
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
```

```
/   DADHOURS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
/   DADLOOK
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADPUBL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADPRIV
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADEMPL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADREL
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADADS
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADNOTH
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADOTHR
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'YES'
                 2 'NO'
/   DADACTY
                -1 'INAPPLICABLE'
                -7 'REFUSED'
                -8 'DK'
                -9 'NOT ASCERTAINED'
                 1 'KEEPING HOUSE/CARING FOR CHILDREN'
                 2 'GOING TO SCHOOL'
                 3 'RETIRED'
                 4 'UNABLE TO WORK'
                91 'OTHER (SPECIFY)'
/   AGE90
                -1 'INAPPLICABLE'
```


BEST COPY AVAILABLE

```
/   ALLGRADE
              '0 ' 'NOT ENROLLED'
              '1 ' 'FIRST GRADE/EQUIV'
              '2 ' 'SECOND GRADE/EQUIV'
              '3 ' 'THIRD GRADE/EQUIV'
              '4 ' 'FOURTH GRADE/EQUIV'
              '5 ' 'FIFTH GRADE/EQUIV'
              '6 ' 'UNGRADED & NO EQUIV'
              'K ' 'KINDERGARTEN'
              'N ' 'NURSERY,PREK, HDST'
              'P ' 'PRE-FIRST/TRANS 1ST'
              'T ' 'TRANS KINDERGARTN'
/   CENSUSDV
               -1 'INAPPLICABLE'
                1 'NEW ENGLAND'
                2 'MIDDLE ATLANTIC'
                3 'EAST NORTH CENTRAL'
                4 'WEST NORTH CENTRAL'
                5 'SOUTH ATLANTIC'
                6 'EAST SOUTH CENTRAL'
                7 'WEST SOUTH CENTRAL'
                8 'MOUNTAIN'
                9 'PACIFIC'
/   CENSUSRG
               -1 'INAPPLICABLE'
                1 'NORTHEAST'
                2 'MIDWEST'
                3 'SOUTH'
                4 'WEST'
/   DADEMPLD
                1 '=> 35 HRS P/WEEK'
                2 '< 35 HRS P/WEEK'
                3 'HRS N/SPECIFIED'
                4 'LOOKING F/WORK'
                5 'N/IN LABOR FORCE'
/   DADLABOR
                1 'EMP-IN LBR FORCE'
                2 'UNEMP-IN LBR FORCE'
                3 'KEEP HOUS/CHILD CARE'
                4 'GOING TO SCHOOL'
                5 'RETIRED/UNABLE WORK'
                6 'OTHER'
/   FAMTYPE
                1 '1 PARENT IN HH'
                2 '2 PARENTS IN HH'
                3 '3 NO PARENTS IN HH'
/   MOMEMPLD
                1 '=> 35 HRS P/WEEK'
                2 '< 35 HRS P/WEEK'
                3 'HRS N/SPECIFIED'
                4 'LOOKING F/WORK'
                5 'N/IN LABOR FORCE'
/   MOMLABOR
                1 'EMP-IN LBR FORCE'
                2 'UNEMP-IN LBR FORCE'
                3 'KEEP HOUS/CHILD CARE'
                4 'GOING TO SCHOOL'
                5 'RETIRED/UNABLE WORK'
                6 'OTHER'
/   PARGRADE
                1 'LESS THAN H/S'
                2 'H/S GRAD/EQUIVALENT'
                3 'VOC/TECH/SOME COLL'
                4 'COLLEGE GRADUATE'
                5 'GRADUATE/PROF SCHOOL'
                9 'NEITHER PARENT IN HH'
/   PARNTCOL
                1 'SINGLE/BOTH <COL'
                2 '1 <COL, 1 COL DEG'
                3 'SINGLE/BOTH COL DEG'
/   PARNTHS
                1 'SINGLE/BOTH <H/S'
                2 '1 <H/S, 1 H/S DEG'
                3 'SINGLE/BOTH H/S DEG'
/   REGION
               -1 'INAPPLICABLE'
               -9 'NOT ASCERTAINED'
                1 'NORTHEAST'
                2 'CENTRAL'
                3 'SOUTHEAST'
                4 'WEST'
/   TEENMOM
                1 '17 OR YOUNGER'
                2 'AGE 18 OR 19'
                3 'AGE 20 OR OLDER'
```

```
/   URBAN
                -1 'INAPPLICABLE'
                -9 'NOT ASCERTAINED'
                 0 'NON'
                 1 'MSA'
                 2 'NECMA'

SELECT IF ( (AGE90 LE  5) ).
```

SELECTS 3- TO 5-YEAR OLDS, AS WAS SPECIFIED IN THE EXTRACT CRITERIA IN THE ECB PROGRAM

```
SAVE OUTFILE='C:\ECB\WORK\EXTRACT.SAV'.
```

ASSIGN NAME OF ANALYSIS FILE (DEFAULT IS "EXTRACT")

```
DISPLAY DICTIONARY.
```

CONTENTS OF ANALYSIS FILE

```
* Frequencies /VARIABLES=
```

UNWEIGHTED FREQS OF CATEGORICAL VARIABLES
(insert the WEIGHT command above for weighted frequencies)

```
     HISPANIC      RACE    GENDER  HOMETYPE   OWNHOME  INCOMRNG    READTO
     NUMBOOKS  NEWSPAPR  RULEWHAT  RULETIME   RULEHRS  RULEDAYS  RULEFAM
       WKREAD   WKREADN   WKWORDS  WKWORDSN   WKMUSIC  WKMUSICN  WKSTORY
     WKSTORYN    WKSANG   WKSANGN   WKCRAFT  WKCRAFTN    WKPLAY  WKPLAYN
       WKEDTV   WKEDTVN  LIBRAYMO  LIBRAYYR   MOVIEMO   MOVIEYR  CONCRTMO
     CONCRTYR  MUSEUMMO  MUSEUMYR     ZOOMO     ZOOYR    PARKMO    PARKYR
      MOMLANG   MOMSPEAK  MOMGRADE   MOMDIPL   MOMWORK  MOMLEAVE  MOMHOURS
      MOMLOOK    MOMPUBL   MOMPRIV   MOMEMPL    MOMREL    MOMADS  MOMNOTH
      MOMOTHR    MOMACTY  DADGRADE   DADDIPL   DADWORK  DADLEAVE  DADLOOK
      DADPUBL    DADPRIV   DADEMPL    DADREL    DADADS   DADNOTH  DADOTHR
      DADACTY      AGE90  ALLGRADE  CENSUSDV  CENSUSRG  DADEMPLD  DADLABOR
      FAMTYPE   MOMEMPLD  MOMLABOR  PARGRADE  PARNTCOL   PARNTHS    REGION
      TEENMOM      URBAN
/MISSING=INCLUDE.
```

```
*  Descriptives   VARIABLES=
```

UNWEIGHTED DESCRIPTIVE STATISTICS OF CONTINUOUS VARIABLES
(insert the WEIGHT command above for weighted estimates)

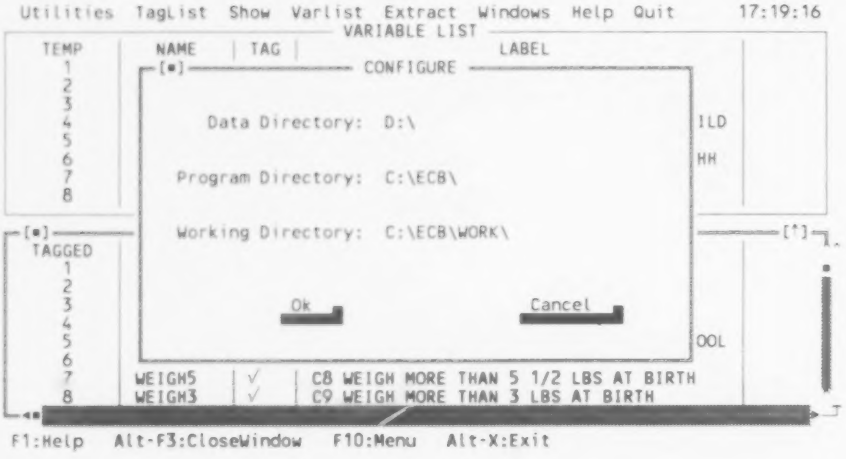
```
     NUMPERS   TVHOURS    MOMAGE    NEWMOM  DADHOURS      EWGT.
```

Appendix G: Configuring the ECB Directories

You may customize the names of the directories where the ECB program looks for its files by selecting the Setup option in the Utilities menu. However, the ECB program will not move the files or change their directory names, so you will have to do this yourself.

Select Utilities/Setup. The screen will look like the following:

The ECB setup window


Utilities TagList Show Varlist Extract Windows Help Quit 17:19:16
VARIABLE LIST
TEMP
NAME | TAG | LABEL
CONFIGURE
Data Directory: D:\
Program Directory: C:\ECB\
Working Directory: C:\ECB\WORK\
Ok
Cancel
TAGGED
WEIGH5 | √ | C8 WEIGH MORE THAN 5 1/2 LBS AT BIRTH
WEIGH3 | √ | C9 WEIGH MORE THAN 3 LBS AT BIRTH
F1:Help Alt-F3:CloseWindow F10:Menu Alt-X:Exit

Example: Changing the Directory for the NHES:91/93/95/96 Data Files

Reading data from a compact disc can take significantly longer than reading the same data from a conventional hard disk drive. However, the data files can be quite large. For NHES:91/93/95/96, the data files take up 450 megabytes of storage space.

If you have the hard disk storage available, you can copy the data files from the compact disc to the hard drive and SETUP the ECB program to look there for them.

1. Copy the data files you wish to analyze from the CD/ROM drive to your new directory.

   The data files are named as follows:

   91ADULT.DAT
   COURSE.DAT
   PRIMARY.DAT
   PREPRIM.DAT
   SAFETY.DAT
   READINES.DAT
   95ADULT.DAT
   ECPP.DAT
   HH&LIB.DAT
   PRTPFICI.DAT
   YOUTHCI.DAT
   ADULTCI.DAT

   Note that the Adult Education course code merge files are not accessed through the ECB. You can still copy these flat files to another directory from the CD-ROM.

   CC91A.DAT
   CC91C.DAT
   CC95.DAT

2. Start the ECB program.

3. Select the Utilities/Setup menu choice.

4. In the "Data Directory" section, change the **D:** so that it points to the new directory name.

The ECB program will now write out SAS, SPSS for DOS, and SPSS for Windows code that looks for the data files in the new directory name.

Appendix H: Important Information for the Adult Education Component

The inference population for the NHES:91 Adult Education component is the noninstitutionalized, civilian population of the 50 states and the District of Columbia. The sample did include some members of the armed services who were living in their own homes outside of military living quarters (n=135). These adults were assigned weights of zero, since they are not included in the population of interest. Earlier versions of WesVarPC (version 2.11 or earlier), a program for analyzing data from studies with complex sample designs, are unable to process cases with a weight of 0. (WesVarPC is described in the Guide to Using Data from National Household Education Survey, which is included on the CD-ROM.) In order to analyze the NHES:91 AE data in WesVarPC using version 2.11 or earlier, the user must create a subfile of cases for which AEWT (the weight variable) is not equal to 0. However, the new version of WesVarPC (version 2.12, available in June 1997) will process cases with a weight of 0; no creation of a subfile is necessary.

It should also be noted that adult education course codes are not included in the 1991 AE, 1991 Course, or 1995 AE public data files on ECB catalogs. Codes were assigned to the reported courses after the public data files and ECB catalogs were created. The Adult Education Course Code data files are included in a subdirectory called CRSMERGE. These files are suitable for merging with AE analysis files from the NHES:91 and NHES:95. They are not accessible through the ECB. Users must read the documentation in the CRSMERGE subdirectory (CRSGUIDE.WP5) to obtain information about the appropriate use of these data.

*U.S. Government Printing Office: 1997 - 429-735/80045

ISBN 0-16-049202-5

United States
Department of Education
Washington, DC 20208–5651

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